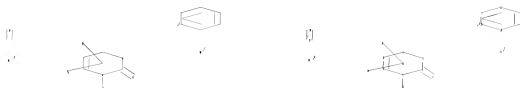


=&gt;

Uploading C:\Program Files\Stnexp\Queries\10527391.str



```

chain nodes :
7 8 17 22 23 24 25 29
ring nodes :
1 2 3 4 5 6 10 11 12 13 14 15
chain bonds :
3-7 4-22 23-24
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
1-2 2-3 3-4 3-7 4-5 4-22 23-24
normalized bonds :
1-6 5-6 10-11 10-15 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 : 10 :
```

G1:[\*1],[\*2]

G2:CN, [\*3], [\*4]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 17:Atom 22:CLASS 23:CLASS 24:CLASS  
25:Atom 29:CLASS 30:Atom  
Generic attributes :

17:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

Element Count :

Node 17: Limited

C,C4-5

N,N1-2

O,O0

S,S0

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 14:49:42 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 24405 TO ITERATE

8.2% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 478751 TO 497449

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss ful

FULL SEARCH INITIATED 14:49:51 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 488565 TO ITERATE

100.0% PROCESSED 488565 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.06

L3 0 SEA SSS FUL L1

=&gt;

Uploading C:\Program Files\Stnexp\Queries\10527391 (a).str



```

chain nodes :
7  8  17 22
ring nodes :
1  2  3  4  5  6  10 11 12 13 14 15
chain bonds :
3-7  4-22
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  10-11  10-15  11-12  12-13  13-14  14-15
exact/norm bonds :
1-2  1-6  2-3  3-4  3-7  4-5  4-22  5-6
normalized bonds :
10-11  10-15  11-12  12-13  13-14  14-15
isolated ring systems :
containing 1 : 10 :
```

G1:[\*1],[\*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 17:Atom 22:CLASS

Generic attributes :

8:

Saturation : Unsaturated

17:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

Element Count :

Node 17: Limited

C,C4-5

N,N1-2

O,O0

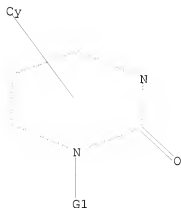
S,S0

L4 STRUCTURE UPLOADED

=> d 14

L4 HAS NO ANSWERS

L4 STR



G1 [01], [02]

Hy<sup>2</sup>

Structure attributes must be viewed using STN Express query preparation.

=> s 14 sss sam

SAMPLE SEARCH INITIATED 14:51:59 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 29684 TO ITERATE

6.7% PROCESSED 2000 ITERATIONS

10 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

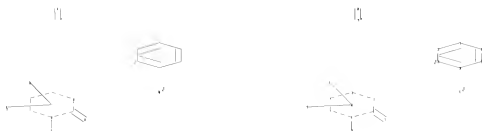
PROJECTED ITERATIONS: 583375 TO 603985

PROJECTED ANSWERS: 2238 TO 3698

L5 10 SEA SSS SAM L4

=> =>

Uploading C:\Program Files\Stnexp\Queries\10527391 (b).str



```

chain nodes :
7  8  17  22  23  24  27
ring nodes :
1  2  3  4  5  6  10  11  12  13  14  15
chain bonds :
3-7  4-22  23-24
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  10-11  10-15  11-12  12-13  13-14  14-15
exact/norm bonds :
1-2  1-6  2-3  3-4  3-7  4-5  4-22  5-6  23-24
normalized bonds :
10-11  10-15  11-12  12-13  13-14  14-15
isolated ring systems :
containing 1 : 10 :

```

G1:[\*1],[\*2]

G2:CN,Hy

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 17:Atom 22:CLASS 23:CLASS 24:CLASS  
27:CLASS 28:Atom

Generic attributes :

8:

Saturation : Unsaturated

17:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

Element Count :

Node 17: Limited

C,C4-5

N,N1-2

O,O0

S,S0

L6 STRUCTURE UPLOADED

=> d l6

L6 HAS NO ANSWERS

L6 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l6 sss sam

SAMPLE SEARCH INITIATED 14:54:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 29360 TO ITERATE

6.8% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 576951 TO 597449

PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

=> s l6 sss ful

10/590,770

FULL SEARCH INITIATED 14:54:15 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 587832 TO ITERATE

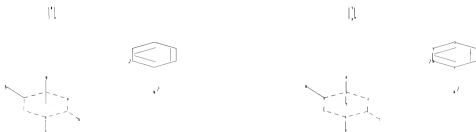
100.0% PROCESSED 587832 ITERATIONS  
SEARCH TIME: 00.00.07

4 ANSWERS

L8 4 SEA SSS FUL L6

=> =>

Uploading C:\Program Files\Stnexp\Queries\10527391 (c).str



chain nodes :  
7 8 16 21 22 23 26  
ring nodes :  
1 2 3 4 5 6 9 10 11 12 13 14  
chain bonds :



```

3-7 4-21 6-26 22-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14
exact/norm bonds :
1-2 1-6 2-3 3-4 3-7 4-5 4-21 5-6 6-26 22-23
normalized bonds :
9-10 9-14 10-11 11-12 12-13 13-14
isolated ring systems :
containing 1 : 9 :

G1:[*1],[*2]

G2:CN,Hy

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 16:Atom 21:CLASS 22:CLASS 23:CLASS 26:CLASS
27:CLASS
Generic attributes :
8:
Saturation : Unsaturated
16:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

Element Count :
Node 16: Limited
C,C4-5
N,N1-2
O,O0
S,S0

L9 STRUCTURE UPLOADED

=> d 19
L9 HAS NO ANSWERS
L9 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 19 sss sam
SAMPLE SEARCH INITIATED 14:57:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 29377 TO ITERATE

6.8% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 577288 TO 597792  
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=> s l9 sss ful

FULL SEARCH INITIATED 14:57:24 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 588119 TO ITERATE

100.0% PROCESSED 588119 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.07

L11 4 SEA SSS FUL L9

=> => s l11

L12 1 L11

=> d l12 bib,ab,hitr

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:979622 CAPLUS

DN 143:286440

TI Preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil elastase inhibitors

IN Gielen-Haertwig, Heike Albrecht, Barbara; Keldenich, Joerg; Li, Volkhart; Fernerstorfer, Josef; Schlemmer, Karl-Heinz; Telan, Leila

PA Bayer Healthcare A.-G., Germany

SO PCT Int. Appl., 119 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

common inventor

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |           |
|------|---|------|----------|-----------------|----------|-----------|
| PI   | WO 2005082863   | A2   | 20050909 | WO 2005-EP1487  | 20050215 | not prior |
|      | WO 2005082863   | A3   | 20051222 |                 |          |           |
|      | W: AE, AG, AL, AM, AN, AP, AR, AS, AT, AU, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |           |
|      | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |           |
|      | CA 2557272  | A1   | 20050909 | CA 2005-2557272 | 20050215 |           |
|      | EP 1730121  | A2   | 20061213 | EP 2005-707387  | 20050215 |           |
|      | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR   |      |          |                 |          |           |
|      | JP 2007523931   | T    | 20070823 | JP 2007-500100  | 20050215 |           |
|      | US 20080021053  | A1   | 20080124 | US 2007-590786  | 20070720 | ODP       |
| PRAI | EP 2004-4315  | A    | 20040226 |                 |          |           |
|      | WO 2005-EP1487  | W    | 20050215 |                 |          |           |

OS MARPAT 143:286440

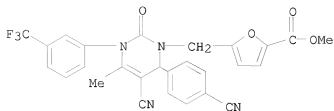
AB Title compds. I [A = heteroaryl ring; R1-3 = H, halo, NO2, etc.; R4 = CF3CO, alkylcarbonyl, etc.; R5 = alkyl, alkoxy, etc.; R6 = T-U; T = alkanediyl, akenediyl; U = aryl, heteroaryl, etc.; R7 = halo, NO2, CN, etc.; Y1-5 = independently CH, N wherein the ring contains 0-2 N atoms] and analogs are prepared For instance, II is prepared in 6 steps from 2-bromo-5-methylpyridine, allyl 3-oxobutanoate and N-[3-(trifluoromethyl)phenyl]urea. II has an IC50 = 70 nM for human neutrophil elastase (HNE). I are useful for the treatment of chronic obstructive pulmonary diseases, acute coronary syndrome, acute myocardial infarction and heart failure development.

IT 864150-62-9P 864150-63-0P

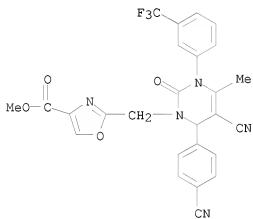
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 864150-62-9 CAPLUS

CN 2-Furancarboxylic acid, 5-[[[5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)

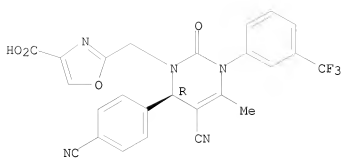


RN 864150-63-0 CAPLUS  
 CN 4-Oxazolecarboxylic acid, 2-[[5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



IT 864150-79-8P 864150-80-1P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil elastase inhibitors)  
 RN 864150-79-8 CAPLUS  
 CN 4-Oxazolecarboxylic acid, 2-[[5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

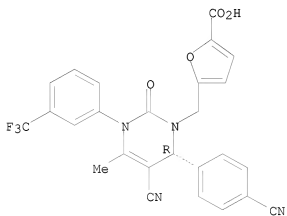
Absolute stereochemistry.



RN 864150-80-1 CAPLUS

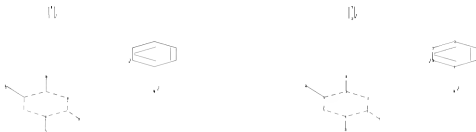
CN 2-Furancarboxylic acid, 5-[[ (6R)-5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidin-1-ylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.



=&gt; =&gt;

Uploading C:\Program Files\Stnexp\Queries\10527391 (d).str



```

chain nodes :
7  8  16 21 22 23 26
ring nodes :
1  2  3  4  5  6  9  10  11  12  13  14
chain bonds :
1-8  3-7  4-21  6-26  22-23
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  9-10  9-14  10-11  11-12  12-13  13-14
exact/norm bonds :
1-2  1-6  1-8  2-3  3-4  3-7  4-5  4-21  5-6  6-26  22-23
normalized bonds :
9-10  9-14  10-11  11-12  12-13  13-14
isolated ring systems :

```

containing 1 : 9 :

G1:[\*1],[\*2]

G2:CN,Hy,[\*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 16:Atom 21:CLASS 22:CLASS 23:CLASS 26:CLASS

Generic attributes :

8:  
Saturation : Unsaturated  
16:  
Saturation : Unsaturated  
Number of Carbon Atoms : less than 7  
Type of Ring System : Monocyclic

Element Count :

Node 16: Limited  
C,C4-5  
N,N1-2  
O,O0  
S,S0

L13 STRUCTURE UPLOADED

=> d l13

L13 HAS NO ANSWERS

L13 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l13 sss sam

SAMPLE SEARCH INITIATED 15:03:59 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 29448 TO ITERATE

6.8% PROCESSED 2000 ITERATIONS 2 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 578695 TO 599225  
PROJECTED ANSWERS: 263 TO 913

L14 2 SEA SSS SAM L13

=> => d his

(FILE 'HOME' ENTERED AT 14:41:42 ON 20 JUL 2008)

FILE 'REGISTRY' ENTERED AT 14:49:04 ON 20 JUL 2008

```
L1      STRUCTURE UPLOADED
L2      0 S L1 SSS SAM
L3      0 S L1 SSS FUL
L4      STRUCTURE UPLOADED
L5      10 S L4 SSS SAM
L6      STRUCTURE UPLOADED
L7      0 S L6 SSS SAM
L8      4 S L6 SSS FUL
L9      STRUCTURE UPLOADED
L10     0 S L9 SSS SAM
L11     4 S L9 SSS FUL
```

FILE 'CAPLUS' ENTERED AT 14:57:43 ON 20 JUL 2008

```
L12     1 S L11
```

FILE 'REGISTRY' ENTERED AT 15:02:08 ON 20 JUL 2008

```
L13     STRUCTURE UPLOADED
L14     2 S L13 SSS SAM
L15     801 S L13 SSS FUL
```

=> => s l15

```
L16     30 L15
```

=> d l16 1-30 bib,ab,hitstr



L16 ANSWER 1 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2008:6179 CAPLUS  
 DN 148:121717  
 TI Preparation of 1,4-diaryldihydropyrimidin-2-ones for treatment of pulmonary arterial hypertension.  
 IN von Nussbaum, Franz; Gielen-Haertwig, Heike; Klein, Martina; Li, Volkhart; Meibom, Daniel; Sandner, Peter; Lustig, Klemens; Schaefer, Stefan  
 PA Bayer Healthcare Aktiengesellschaft, Germany  
 SO Ger. Offen., 34pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

|    | PATENT NO.      | KIND   | DATE     | APPLICATION NO.      | DATE     |
|----|-----------------|--|----------|----------------------|----------|
| PI | DE 102006031314 | A1   | 20080103 | DE 2006-102006031314 | 20060701 |
|    | WO 2008003412   | A1   | 20080110 | WO 2007-EP5579       | 20070625 |
|    | W:              | AE, AG, AL, AM, AT, AU, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW |          |                      |          |
|    | RW:             | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM   |          |                      |          |

FRAI DE 2006-102006031314 A 20060701

OS MARPAT 148:121717

AB Use of title compds. [I; X = CH, N; R1 = (CH<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>R1 3-CH<sub>2</sub>CH<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>R1a, 4-CH<sub>2</sub>CH<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>R1a; n = 1, 2; R1a = H, alkyl; R2 = cyano, COR<sub>2</sub>a, CO<sub>2</sub>R<sub>2</sub>a; R<sub>2</sub>a = (substituted) alkyl, cycloalkyl; R<sub>3</sub> = H, R<sub>4</sub> = H, F, Cl; or R<sub>3</sub> = F, Cl and R<sub>4</sub> = H] for use in preparation of a drug for treatment of pulmonary arterial hypertension is claimed. Thus, 5-methylhexane-2,4-dione, 4-formylbenzonitrile, and 1-[3-(trifluoromethyl)phenyl]urea were heated with polyphosphoric acid in THF overnight at 80° to give a residue which was subjected to chiral chromatog. to give 8% 4-[(4R)-5-isobutyl-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydropyrimidin-4-yl]benzonitrile. I inhibited human neutrophil elastase with IC<sub>50</sub> = 0.9-20 nM.

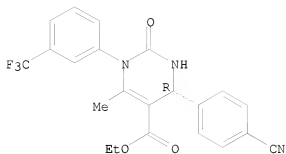
IT 905287-66-3P

RL: PAC (Pharmacological activity); PUR (Purification or recovery); RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of diaryldihydropyrimidinones for treatment of pulmonary arterial hypertension)

RN 905287-66-3 CAPLUS

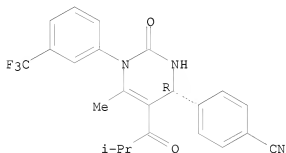
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



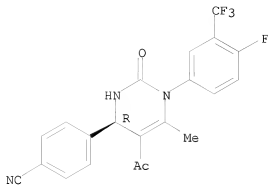
IT 1000588-65-7P 1000588-69-1P 1000588-72-6P  
 RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN  
 (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);  
 PREP (Preparation); USES (Uses)  
 (preparation of diaryldihydropyrimidinones for treatment of pulmonary  
 arterial hypertension)  
 RN 1000588-65-7 CAPLUS  
 CN Benzonitrile, 4-[(4R)-1,2,3,4-tetrahydro-6-methyl-5-(2-methyl-1-oxopropyl)-  
 2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 1000588-69-1 CAPLUS  
 CN Benzonitrile, 4-[(4R)-5-acetyl-1-[4-fluoro-3-(trifluoromethyl)phenyl]-  
 1,2,3,4-tetrahydro-6-methyl-2-oxo-4-pyrimidinyl]- (CA INDEX NAME)

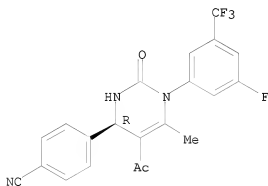
Absolute stereochemistry.



RN 1000588-72-6 CAPLUS

CN Benzonitrile, 4-[(4R)-5-acetyl-1-[3-fluoro-5-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



IT 1000588-66-8P

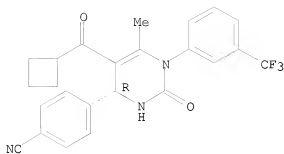
RL: PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of diaryldihydropyrimidinones for treatment of pulmonary arterial hypertension)

RN 1000588-66-8 CAPLUS

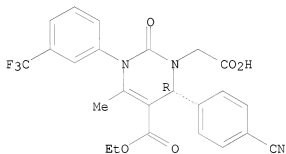
CN Benzonitrile, 4-[(4R)-5-(cyclobutylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



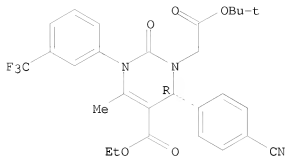
IT 904958-43-6P 956487-28-8P 1000588-67-9P  
 1000588-68-0P 1000588-70-4P 1000588-71-5P  
 1000588-73-7P 1000588-74-8P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)  
 (preparation of diaryldihydropyrimidinones for treatment of pulmonary  
 arterial hypertension)  
 RN 904958-43-6 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-  
 dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX  
 NAME)

Absolute stereochemistry.



RN 956487-28-8 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-  
 dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl  
 ester, (6R)- (CA INDEX NAME)

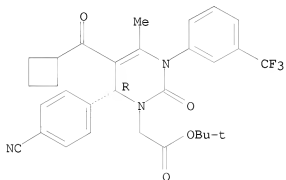
Absolute stereochemistry.



RN 1000588-67-9 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclobutylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester, (6R)- (CA INDEX NAME)

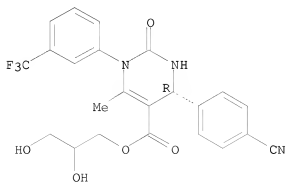
Absolute stereochemistry.



RN 1000588-68-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2,3-dihydroxypropyl ester, (4R)- (CA INDEX NAME)

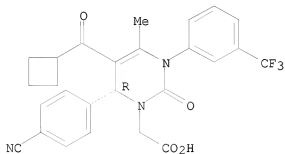
Absolute stereochemistry.



RN 1000588-70-4 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclobutylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 1000588-71-5 CAPLUS

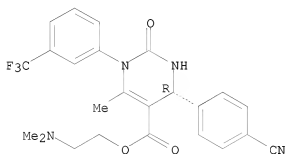
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)-, 2-(dimethylamino)ethyl ester, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 904959-01-9

CMF C24 H23 F3 N4 O3

Absolute stereochemistry.



CM 2

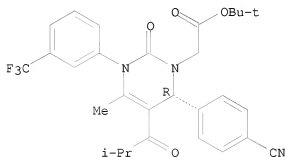
CRN 76-05-1

CMF C2 H F3 O2



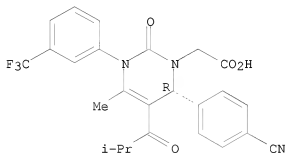
RN 1000588-73-7 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 1000588-74-8 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.

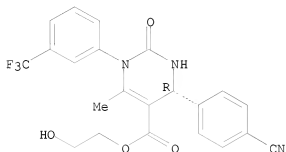


IT 675103-34-1 675103-36-3 864150-67-4  
 864150-68-5 864250-45-3  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (preparation of diaryldihydropyrimidinones for treatment of pulmonary  
 arterial hypertension)

RN 675103-34-1 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester, (4R)- (CA

INDEX NAME)

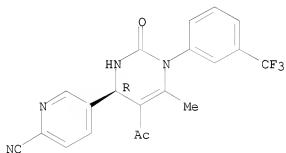
Absolute stereochemistry. Rotation (+).



RN 675103-36-3 CAPLUS

CN 2-Pyridinecarbonitrile, 5-[(4R)-5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

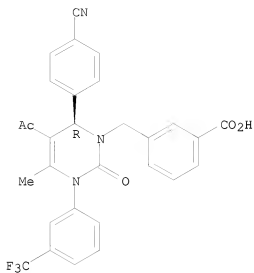


RN 864150-67-4 CAPLUS

CN Benzoic acid, 3-[[ (6R)-5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

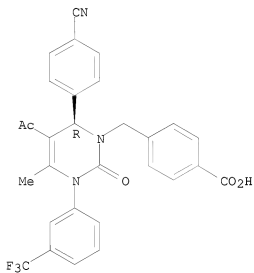




RN 864150-68-5 CAPLUS

CN Benzoic acid, 4-[[ (6R)-5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

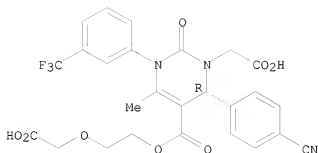
Absolute stereochemistry.



RN 864250-45-3 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-[[2-(carboxymethoxy)ethoxy]carbonyl]-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.

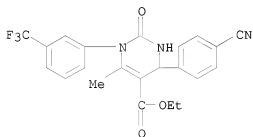


IT 671775-85-2 864250-60-2

RL: PEP (Physical, engineering or chemical process); PROC (Process)  
(preparation of diaryldihydropyrimidinones for treatment of pulmonary  
arterial hypertension)

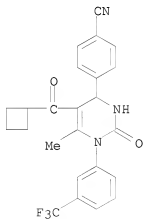
RN 671775-85-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 864250-60-2 CAPLUS

CN Benzonitrile, 4-[5-(cyclobutylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-  
1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



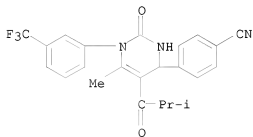
IT 671776-48-0P

RL: PEP (Physical, engineering or chemical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)

(preparation of diaryldihydropyrimidinones for treatment of pulmonary arterial hypertension)

RN 671776-48-0 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



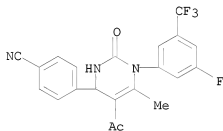
IT 1000588-78-2P

RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)

(preparation of diaryldihydropyrimidinones for treatment of pulmonary arterial hypertension)

RN 1000588-78-2 CAPLUS

CN Benzonitrile, 4-[5-acetyl-1-[3-fluoro-5-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-4-pyrimidinyl]- (CA INDEX NAME)



IT 1000675-38-6P

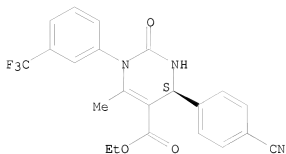
RL: PUR (Purification or recovery); PREP (Preparation)

(preparation of diaryldihydropyrimidinones for treatment of pulmonary arterial hypertension)

RN 1000675-38-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4S)- (CA INDEX NAME)

Absolute stereochemistry.



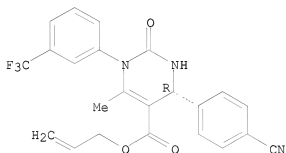
IT 864151-33-7 864228-16-0

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of diaryldihydropyrimidinones for treatment of pulmonary  
arterial hypertension)

RN 864151-33-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester, (4R)- (CA  
INDEX NAME)

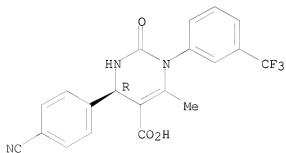
Absolute stereochemistry. Rotation (+).



RN 864228-16-0 CAPLUS

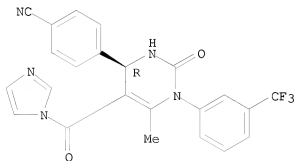
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 1000588-75-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of diaryldihydropyrimidinones for treatment of pulmonary  
 arterial hypertension)  
 RN 1000588-75-9 CAPLUS  
 CN Benzonitrile, 4-[(4R)-1,2,3,4-tetrahydro-5-(1H-imidazol-1-ylcarbonyl)-6-  
 methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX  
 NAME)

Absolute stereochemistry.

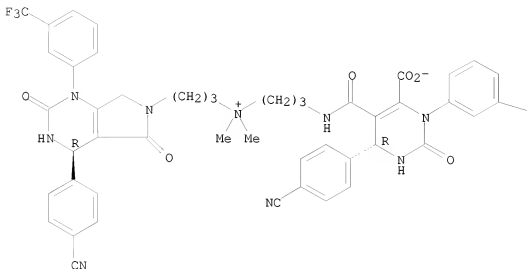


L16 ANSWER 2 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2007:1300977 CAPLUS  
 DN 147:522270  
 TI Preparation of tetrahydropyrrolopyrimidinediones as human neutrophil  
 elastase (HNE) inhibitors  
 IN Ray, Nicholas Charles; Finch, Harry; Edwards, Christine; O'Connor,  
 Elizabeth  
 PA Argenta Discovery Limited, UK  
 SO PCT Int. Appl., 73pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| PI WO 2007129060  | A1   | 20071115 | WO 2007-GB1638  | 20070503 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW<br>RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
| PRAI GB 2006-8844   | A    | 20060504 |                 |          |
| GB 2006-12544   | A    | 20060623 |                 |          |
| OS MARPAT 147:522270  |      |          |                 |          |
| AB Title compds. [I; A = aryl, heteroaryl; D = O, S; R1-R3 = H, OH, halo, NO2, cyano, alkenyl, alkynyl, alkenyloxy, (substituted) alkyl, alkoxy; R, R4 = X <sub>m</sub> (Al)Q <sub>n</sub> (A2)q(X1)kZ; Al, A2 = (substituted) alkylene, alkenylene optionally containing O, S, NRa; Q = O, S, SO, SO2, NRa, NRaSO2, CO2, etc.; X = CO, SO2, CO2, CONRa, SO2NRa; Ra = H, alkyl, cycloalkyl; X1 = O, S, NH; Z = H, (substituted) carbocycl, heterocycl; k, m, n, p, q = 0, 1], were prepared Thus, title compound (II) was prepared in 3 steps from 3,5-difluorophenylurea, 4-cyanobenzaldehyde, Et acetoacetate, and methylamine. Most I inhibited HNE in the range of 1-50 nM.   |      |          |                 |          |
| IT 956487-06-2P   |      |          |                 |          |
| RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)<br>(preparation of tetrahydropyrrolopyrimidinediones as human neutrophil elastase inhibitors)  |      |          |                 |          |
| RN 956487-06-2 CAPLUS   |      |          |                 |          |
| CN 6H-Pyrrolo[3,4-d]pyrimidine-6-propanaminium, N-[3-[[[(4R)-6-carboxy-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]propyl]-4-(4-cyanophenyl)-1,2,3,4,5,7-hexahydro-N,N-dimethyl-2,5-dioxo-1-[3-(trifluoromethyl)phenyl]-, inner salt, (4R)-(CA INDEX NAME)  |      |          |                 |          |

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

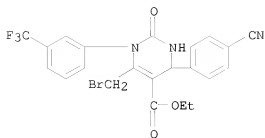
CF<sub>3</sub>

IT 675103-23-8P 956487-08-4P 956487-09-5P  
 956487-10-8P 956487-11-9P 956487-12-0P  
 956487-13-1P 956487-14-2P 956487-15-3P  
 956487-16-4P 956487-17-5P 956487-18-6P  
 956487-19-7P 956487-20-0P 956487-21-1P  
 956487-22-2P 956487-23-3P 956487-28-8P  
 956487-29-9P 956487-38-0P 956487-39-1P  
 956487-40-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of tetrahydropyrrolopyrimidinediones as human neutrophil  
 elastase inhibitors)

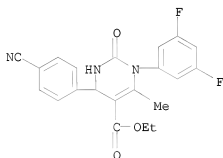
RN 675103-23-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-4-(4-cyanophenyl)-1,2,3,4-  
 tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX  
 NAME)



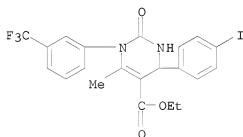
RN 956487-08-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1-(3,5-difluorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



RN 956487-09-5 CAPLUS

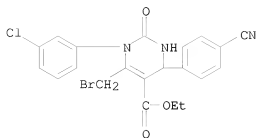
CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-4-(4-iodophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 956487-10-8 CAPLUS

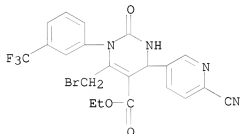
CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-1-(3-chlorophenyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-2-oxo-, ethyl ester (CA INDEX NAME)





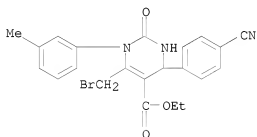
RN 956487-11-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



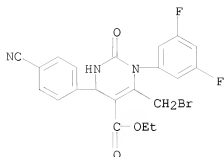
RN 956487-12-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-1-(3-methylphenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



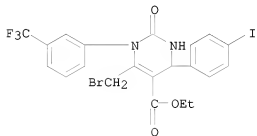
RN 956487-13-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-4-(4-cyanophenyl)-1-(3,5-difluorophenyl)-1,2,3,4-tetrahydro-2-oxo-, ethyl ester (CA INDEX NAME)



RN 956487-14-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-1,2,3,4-tetrahydro-4-(4-iodophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

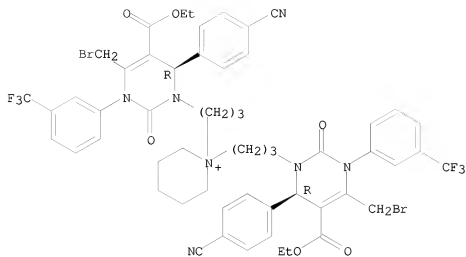


RN 956487-15-3 CAPLUS

CN Piperidinium, 1,1-bis[3-[(6R)-4-(bromomethyl)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-, bromide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

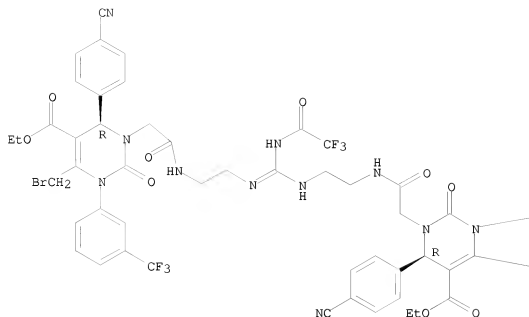


RN 956487-16-4 CAPLUS

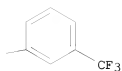
CN 5-Pyrimidinecarboxylic acid, 1,1'-[2,12-dioxo-7-[(2,2,2-trifluoroacetyl)amino]-3,6,8,11-tetraazatridec-6-ene-1,13-diyl]bis[4-(bromomethyl)-6-(4-cyanophenyl)-1,2,3,6-tetrahydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 5,5'-diethyl ester, (6R,6'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



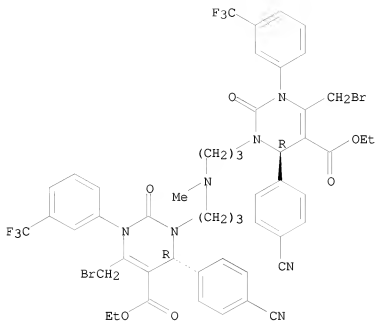
PAGE 1-B

-CH<sub>2</sub>Br

RN 956487-17-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[(methylimino)di-3,1-propanediyl]bis[4-(bromomethyl)-6-(4-cyanophenyl)-1,2,3,6-tetrahydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 5,5'-diethyl ester, (6R,6'R)- (CA INDEX NAME)

Absolute stereochemistry.

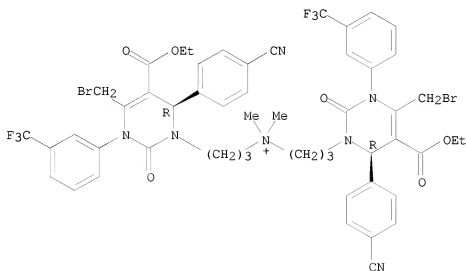


RN 956487-18-6 CAPLUS

CN 1(2H)-Pyrimidinepropanaminium, 4-(bromomethyl)-N-[3-[(6R)-4-(bromomethyl)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-N,N-dimethyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, iodide (1:1), (6R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



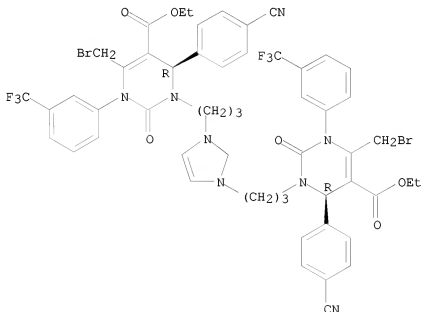
PAGE 2-A

● I<sup>-</sup>

RN 956487-19-7 CAPLUS  
 CN 1H-Imidazolium, 1,3-bis[3-[(6R)-4-(bromomethyl)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-, bromide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

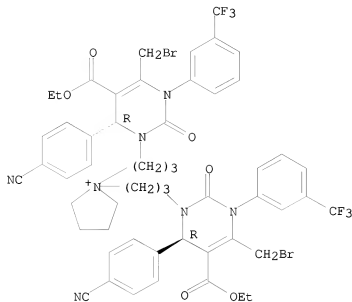
● Br<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 956487-20-0 CAPLUS  
 CN Pyrrolidinium, 1,1-bis[3-[(6R)-4-(bromomethyl)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-, bromide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



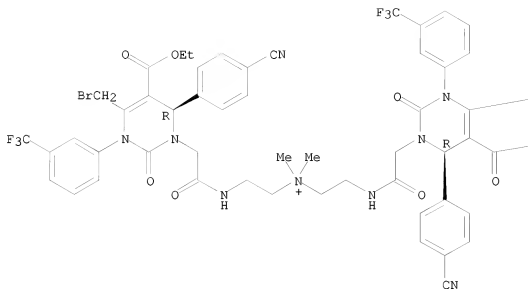
PAGE 2-A



RN 956487-21-1 CAPLUS  
 CN Ethanaminium, 2-[[2-[(6R)-4-(bromomethyl)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[(6R)-4-(bromomethyl)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

—CH<sub>2</sub>Br

—OEt

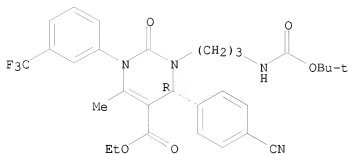
● I<sup>-</sup>

RN 956487-22-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[3-[[[1,1-dimethylethoxy)carbonyl]amino]propyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

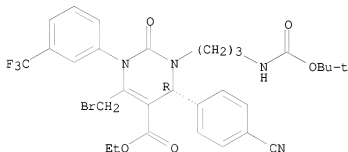




RN 956487-23-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-4-(4-cyanophenyl)-3-[3-[[1,1-dimethylethoxy]carbonylamino]propyl]-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

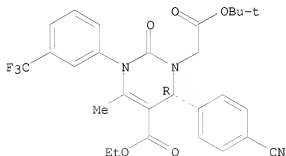
Absolute stereochemistry.



RN 956487-28-8 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester, (6R)- (CA INDEX NAME)

Absolute stereochemistry.

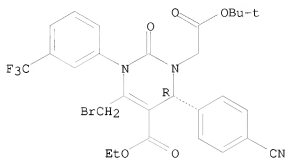


RN 956487-29-9 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 4-(bromomethyl)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-2-oxo-3-[3-(trifluoromethyl)phenyl]-, ethyl ester, (6R)- (CA INDEX NAME)

1,1-dimethylethyl ester, (6R)- (CA INDEX NAME)

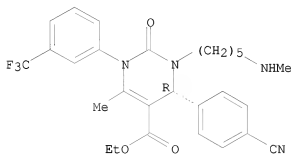
Absolute stereochemistry.



RN 956487-38-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[5-(methylamino)pentyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

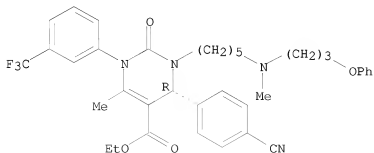
Absolute stereochemistry.



RN 956487-39-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[5-[methyl(3-phenoxypropyl)amino]pentyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

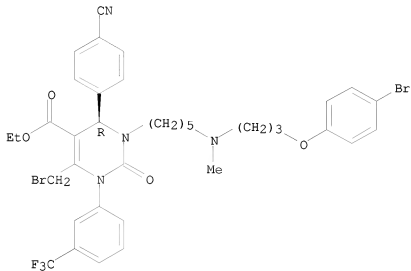
Absolute stereochemistry.



RN 956487-40-4 CAPLUS

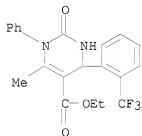
CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-3-[5-[[3-(4-bromophenoxy)propyl]methylamino]pentyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

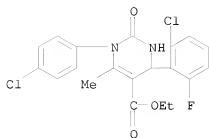


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2007:230926 CAPLUS  
 DN 146:441742  
 TI N-substituted ureas and thioureas in Biginelli reaction promoted by  
 chlorotrimethylsilane: convenient synthesis of N1-alkyl-, N1-aryl-, and  
 N1,N3-dialkyl-3,4-dihydropyrimidin-2(1H)-(thi)ones  
 AU Ryabukhin, Sergey V.; Plaskon, Andrey S.; Ostapchuk, Eugeny N.;  
 Volochnyuk, Dmitriy M.; Tolmachev, Andrey A.  
 CS Enamine Ltd, Kiev 01103, Ukraine  
 SO Synthesis (2007), (3), 417-427  
 CODEN: SYNIBF; ISSN: 0039-7881  
 PB Georg Thieme Verlag  
 DT Journal  
 LA English  
 OS CASREACT 146:441742  
 AB The classical Biginelli reaction has been extended by the use of  
 N-substituted ureas and thioureas. A set of N1-alkyl-, N1-aryl-, and  
 N1,N3-dialkyl-3,4-dihydropyrimidin-2(1H)-(thi)ones, e.g., **1**, was readily  
 prepared by Biginelli reaction of Et acetoacetate and aryl aldehydes with  
 N-substituted ureas or thioureas in excellent yield when  
 chlorotrimethylsilane in N,N-dimethylformamide was used as promoter and  
 water scavenger.  
 IT 300696-72-4P 791107-81-8P 793693-44-4P  
 881993-43-7P 924077-69-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of dihydropyrimidinones/thiones via chlorotrimethylsilane-  
 promoted Biginelli reaction of acetoacetate, aryl aldehydes, and  
 ureas/thioureas)  
 RN 300696-72-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-2-oxo-1-phenyl-4-  
 [2-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

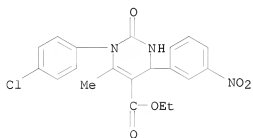


RN 791107-81-8 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(2-chloro-6-fluorophenyl)-1-(4-  
 chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX  
 NAME)



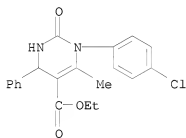
RN 793693-44-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



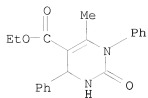
RN 881993-43-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-4-phenyl-, ethyl ester (CA INDEX NAME)



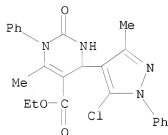
RN 924077-69-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-2-oxo-1,4-diphenyl-, ethyl ester (CA INDEX NAME)

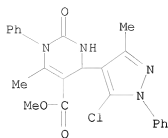


RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2007:186627 CAPLUS  
 DN 147:344045  
 TI Synthesis of novel 5-substituted-6-methyl-4-[5-chloro-3-methyl-1-phenyl-1H-pyrazol-4-yl]-3,4-dihydropyrimidin-2(1H)-ones  
 AU Kumar, Rakesh; Malik, Sakshi; Chandra, Ramesh  
 CS Department of Chemistry, Kirori Mal College, University of Delhi, Delhi, 110007, India  
 SO Organic Preparations and Procedures International (2006), Volume Date 2007, 39(1), 101-106  
 CODEN: OPPIAK; ISSN: 0030-4948  
 PB Organic Preparations and Procedures, Inc.  
 DT Journal  
 LA English  
 OS CASREACT 147:344045  
 AB Pyrazolyl dihydropyrimidinones, e.g., I, was synthesized via three-component coupling reaction of [N-phenyl(chloro)methyl]pyrazolecarboxaldehyde with ureas and  $\beta$ -keto esters or  $\beta$ -diketones in moderate yields.  
 IT 948597-55-5P 948597-56-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of pyrazolyl(dihydro)pyrimidinones via three-component coupling reaction of [N-phenyl(chloro)methyl]pyrazolecarboxaldehyde with ureas and  $\beta$ -keto esters or  $\beta$ -diketones)  
 RN 948597-55-5 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(5-chloro-3-methyl-1-phenyl-1H-pyrazol-4-yl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)



RN 948597-56-6 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(5-chloro-3-methyl-1-phenyl-1H-pyrazol-4-yl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-phenyl-, methyl ester (CA INDEX NAME)



RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT



L16 ANSWER 5 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:1356757 CAPLUS  
 DN 146:100714  
 TI Preparation of dihydropyrimidone multimers as human neutrophil elastase inhibitors  
 IN Finch, Harry; Edwards, Christine; Ray, Nicholas Charles; Fitzgerald, Mary Frances  
 PA Argenta Discovery Ltd., UK  
 SO PCT Int. Appl., 59pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|--|------|----------|-----------------|----------|
| PI WO 2006136857   | A1   | 20061228 | WO 2006-GB2337  | 20060626 |
| W: AE, AG, AL, AM, AT, <del>AO, AR, AS</del> , BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW<br>RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM<br>EP 1893584 A1 20080305 EP 2006-755623 20060626<br>R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR<br>IN 2007DN10018 A 20080711 IN 2007-DN10018 20071224<br>PRAI GB 2005-12940 A 20050624<br>WO 2006-GB2337 W 20060626 |      |          |                 |          |

OS MARPAT 146:100714

AB Title compds. represented by the formula M-L-M, wherein L is a linker and each M is independently a group of formula I [A = (hetero)aryl; D = O or S; R1-R3 = independently H, halo, nitro, etc.; R4 = OH, alkyl(carbonyl), amino, etc.; Y1-Y5 = independently C or N, with the proviso that the ring in which they are comprised contains no more than 2 N atoms; R5 = (un)substituted alkyl, -O-alkyl-O-alkyl or amino; R6 = halo, nitro, cyano, etc.; and pharmaceutically acceptable salts, solvates or N-oxides thereof], were prepared as human neutrophil elastase (HNE) inhibitors. For example, II was provided in a multi-step synthesis starting from the reaction of 3-(trifluoromethyl)phenylurea with 4-cyanobenzaldehyde. I were tested for inhibitory activity towards HNE with IC50 values of 1-1000 nM. Thus, I and their pharmaceutical compns. are useful as human neutrophil elastase inhibitors for the treatment of respiratory diseases (no data).

IT 917813-88-8P 917813-90-2P 917813-97-9P  
 917813-98-0P 917813-99-1P 917814-01-8P  
 917814-02-9P 917814-13-2P 917814-15-4P  
 917814-17-6P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of dihydropyrimidone multimers as human neutrophil elastase

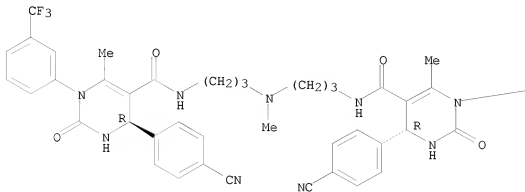
inhibitors)

RN 917813-88-8 CAPLUS

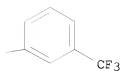
CN 5-Pyrimidinecarboxamide, N,N'-[(methylimino)di-3,1-propanediyl]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

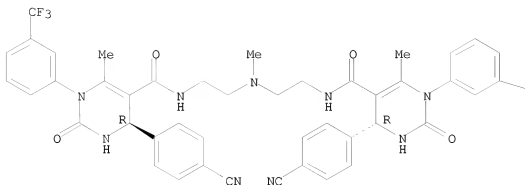


RN 917813-90-2 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-[(methylimino)di-2,1-ethanediyl]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

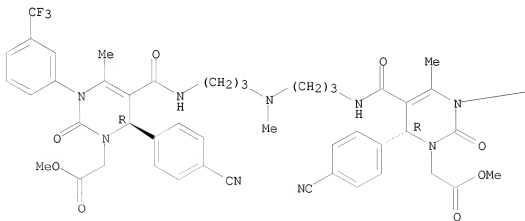
CF<sub>3</sub>

RN 917813-97-9 CAPLUS

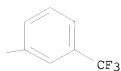
CN 1(2H)-Pyrimidineacetic acid, 5,5'-[(methylimino)bis(3,1-propanediyliminocarbonyl)]bis[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1'-dimethyl ester, (6R,6'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

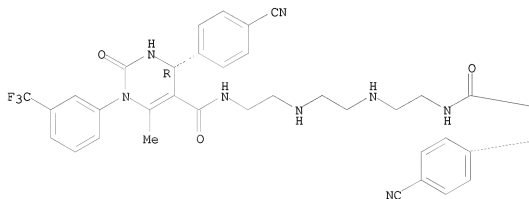


RN 917813-98-0 CAPLUS

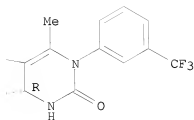
CN 5-Pyrimidinecarboxamide, N,N'-[1,2-ethanediylbis(imino-2,1-ethanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



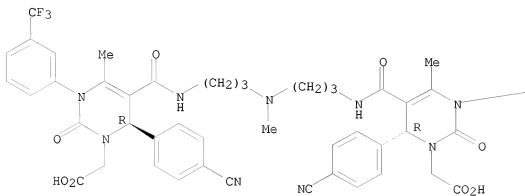
RN 917813-99-1 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5,5'-[(methylimino)bis(3,1-

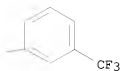
propanediyliminocarbonyl)]bis[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R,6'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

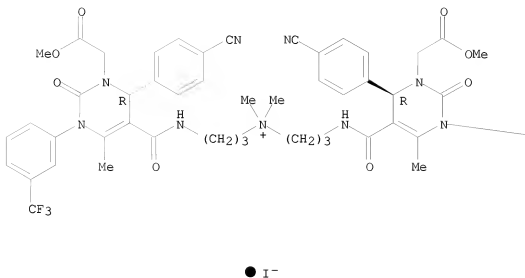


RN 917814-01-8 CAPLUS

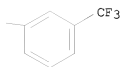
CN 1-Propanaminium, 3-[[[(4R)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-(2-methoxy-2-oxoethyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]-N-[3-[[[(4R)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-(2-methoxy-2-oxoethyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]propyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



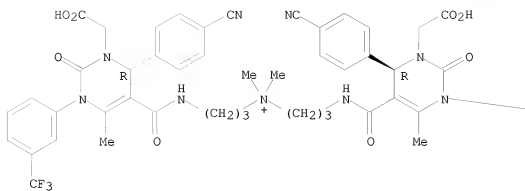
PAGE 1-B



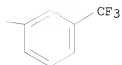
RN 917814-02-9 CAPLUS  
 CN 1-Propanaminium, 3-[[[(4R)-3-(carboxymethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]-N-[3-[[[(4R)-3-(carboxymethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]propyl]-N,N-dimethyl-, chloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

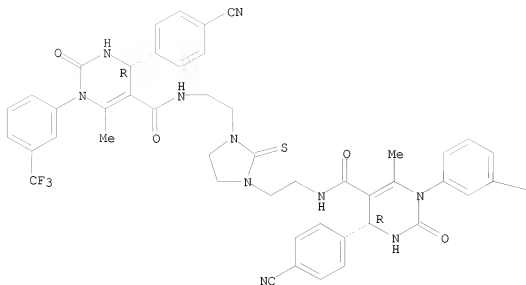


RN 917814-13-2 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-[(2-thioxo-1,3-imidazolidinediyl)di-2,1-ethanediyl]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

CF<sub>3</sub>

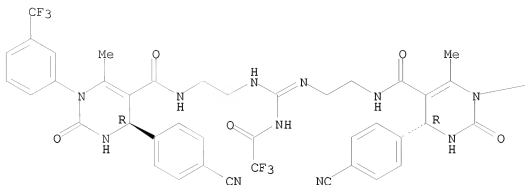
RN 917814-15-4 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-[[(2,2,2-trifluoroacetyl)carbonimidoyl]bis(imino-2,1-ethanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

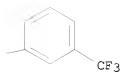
Absolute stereochemistry.



PAGE 1-A



PAGE 1-B

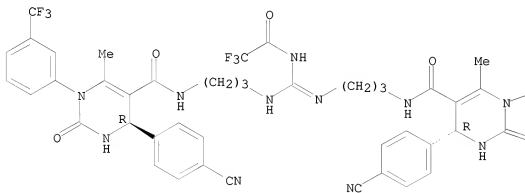


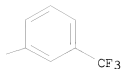
RN 917814-17-6 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-[[(2,2,2-trifluoroacetyl)carbonimidoyl]bis(1-amino-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





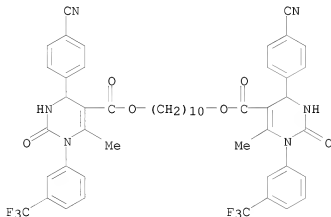
IT 917813-84-4P 917813-85-5P 917813-86-6P  
 917813-87-7P 917813-89-9P 917813-91-3P  
 917813-92-4P 917813-93-5P 917813-94-6P  
 917813-95-7P 917813-96-8P 917814-00-7P  
 917814-03-0P 917814-04-1P 917814-05-2P  
 917814-06-3P 917814-07-4P 917814-08-5P  
 917814-09-6P 917814-10-9P 917814-11-0P  
 917814-12-1P 917814-14-3P 917814-16-5P  
 917814-18-7P 917814-19-8P 917814-20-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of dihydropyrimidone multimers as human neutrophil elastase  
 inhibitors)

RN 917813-84-4 CAPLUS

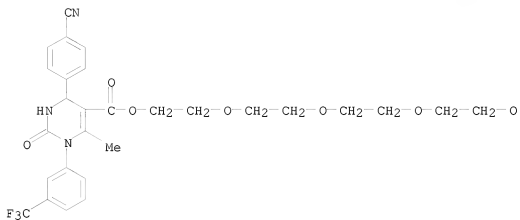
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
 2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5,5'-(1,10-decanediyl) ester (CA  
 INDEX NAME)



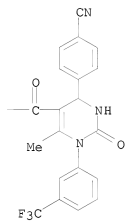
RN 917813-85-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
 2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5,5'-[oxybis(2,1-ethanedioxy-2,1-  
 ethanediyl)] ester (CA INDEX NAME)

PAGE 1-A

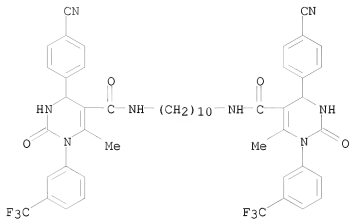


PAGE 1-B



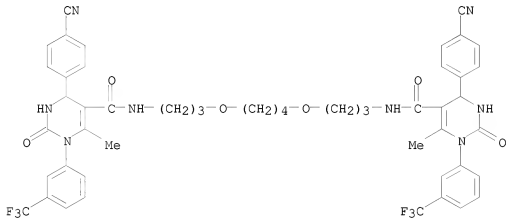
RN 917813-86-6 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-1,10-decanediylbis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 917813-87-7 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-[1,4-butanediylbis(oxy-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

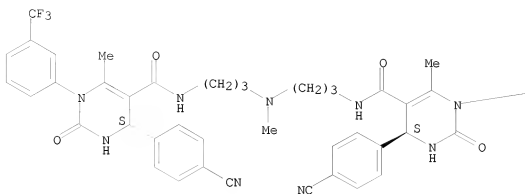


RN 917813-89-9 CAPLUS

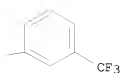
CN 5-Pyrimidinecarboxamide, N,N'-[(methylimino)di-3,1-propanediyl]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4S,4'S)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

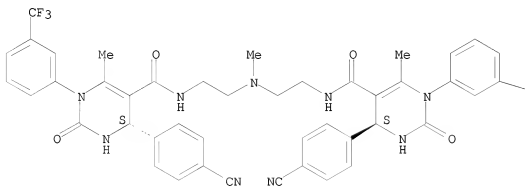


RN 917813-91-3 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-[(methylimino)di-2,1-ethanediyl]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4S,4'S)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



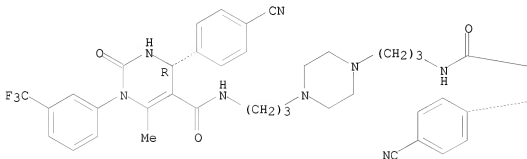
PAGE 1-B

CF<sub>3</sub>

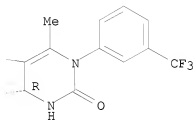
RN 917813-92-4 CAPLUS  
 CN 5-Pyrimidinecarboxamide, N,N'-(1,4-piperazinediyl-di-3,1-propanediyl)bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



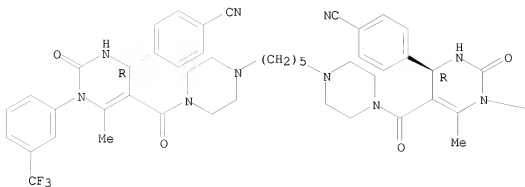
PAGE 1-B



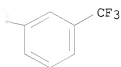
RN 917813-93-5 CAPLUS  
 CN 5-Pyrimidinecarboxamide, N,N'-(1,5-pentanediyldi-4,1-piperazinediyl)bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

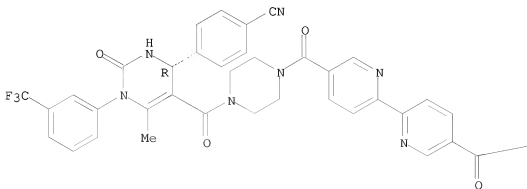


RN 917813-94-6 CAPLUS

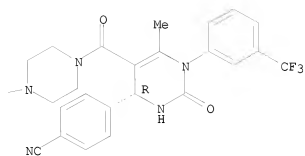
CN Benzonitrile, 4,4'-[[2,2'-bipyridine]-5,5'-diylbis[carbonyl-4,1-piperazinediylcarbonyl[(4R)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5,4-pyrimidinediyl]]]bis- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

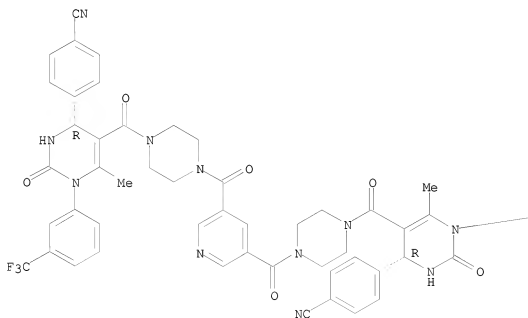


RN 917813-95-7 CAPLUS

CN Benzonitrile, 4,4'-[3,5-pyridinediylbis[carbonyl-4,1-piperazinediylcarbonyl[(4R)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5,4-pyrimidinediyl]]]bis- (CA INDEX NAME)

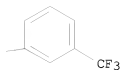
Absolute stereochemistry.

PAGE 1-A





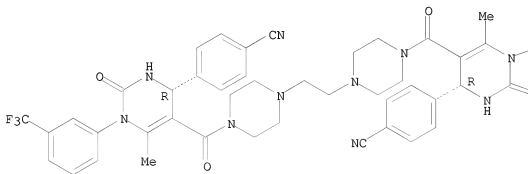
PAGE 1-B



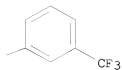
RN 917813-96-8 CAPLUS  
 CN Benzonitrile, 4,4'-[1,2-ethanediylbis[4,1-piperazinediylcarbonyl[(4R)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5,4-pyrimidinediyl]]]bis- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

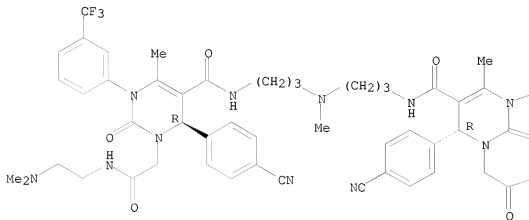


RN 917814-00-7 CAPLUS  
 CN 1(2H)-Pyrimidineacetamide, 5,5'-[(methylimino)bis(3,1-

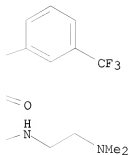
propanediyliminocarbonyl)]bis[6-(4-cyanophenyl)-N-[2-(dimethylamino)ethyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R,6'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



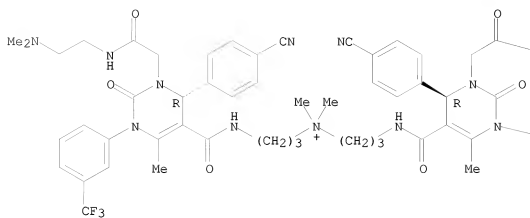
PAGE 1-B



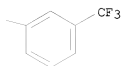
RN 917814-03-0 CAPLUS  
 CN 1-Propanaminium, 3-[[[(4R)-4-(4-cyanophenyl)-3-[2-[[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]-N-[3-[[[(4R)-4-(4-cyanophenyl)-3-[2-[[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]propyl]-N,N-dimethyl-, chloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

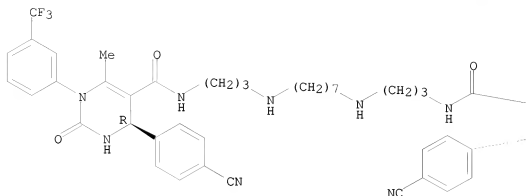


RN 917814-04-1 CAPLUS

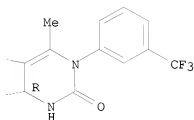
CN 5-Pyrimidinecarboxamide, N,N'-[1,7-heptanediylbis(imino-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

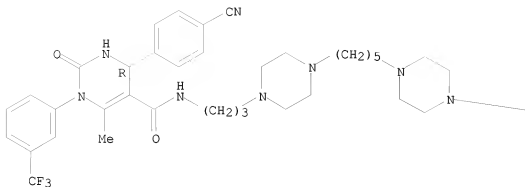


RN 917814-05-2 CAPLUS

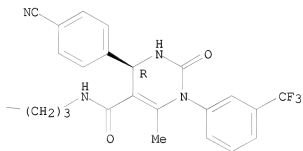
CN 5-Pyrimidinecarboxamide, N,N'-[1,5-pentanediyldis(4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

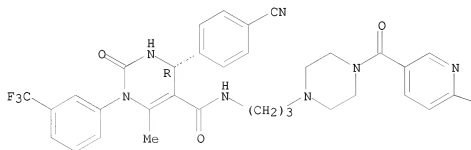


RN 917814-06-3 CAPLUS

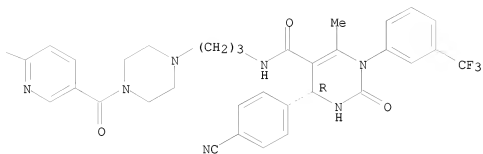
CN 5-Pyrimidinecarboxamide, N,N'-[2,2'-bipyridine]-5,5'-diylbis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

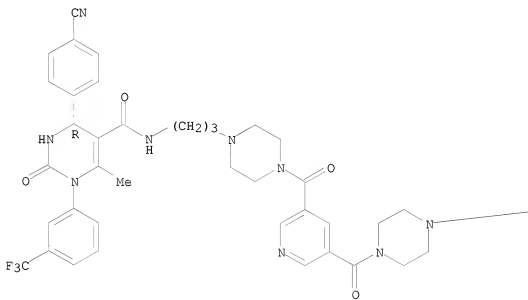


RN 917814-07-4 CAPLUS

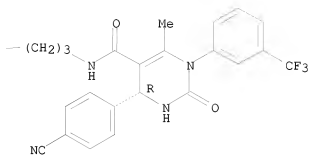
CN 5-Pyrimidinecarboxamide, N,N'-[3,5-pyridinediylbis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

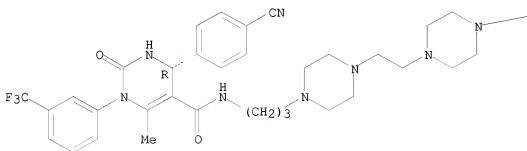


RN 917814-08-5 CAPLUS

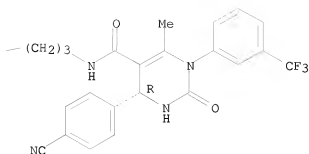
CN 5-Pyrimidinecarboxamide, N,N'-[1,2-ethanediylbis(4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

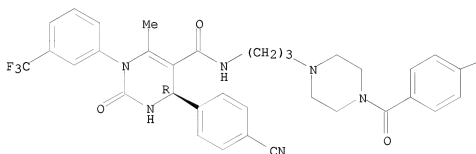


RN 917814-09-6 CAPLUS

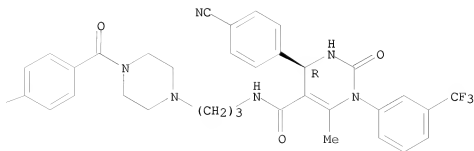
CN 5-Pyrimidinecarboxamide, N,N'-[[1,1'-biphenyl]-4,4'-diylbis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



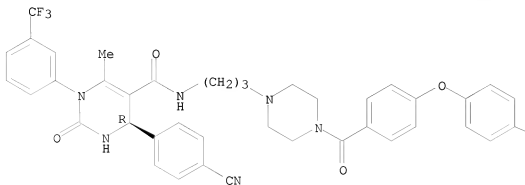
RN 917814-10-9 CAPLUS



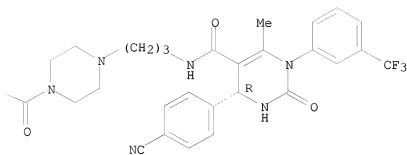
CN 5-Pyrimidinecarboxamide, N,N'-[oxybis(4,1-phenylenecarbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

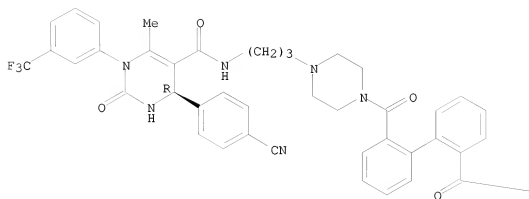


RN 917814-11-0 CAPLUS

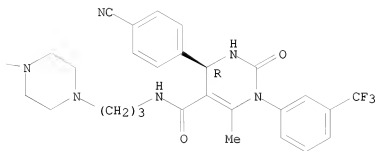
CN 5-Pyrimidinecarboxamide, N,N'-[[1,1'-biphenyl]-2,2'-diylbis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

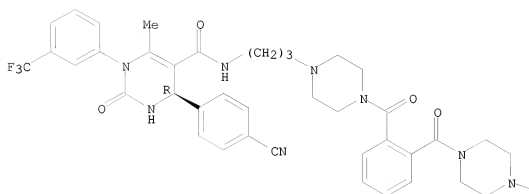


RN 917814-12-1 CAPLUS

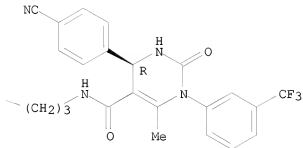
CN 5-Pyrimidinecarboxamide, N,N'-[1,4-phenylenebis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

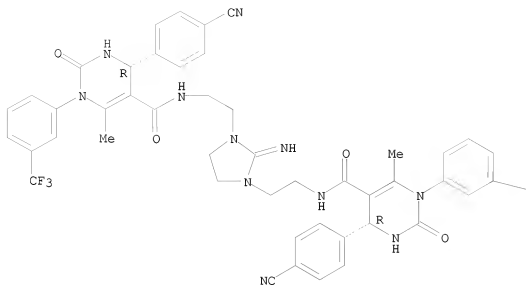


RN 917814-14-3 CAPLUS

CN 5-Pyrimidinecarboxamide, N,N'-[(2-imino-1,3-imidazolidinediyl)di-2,1-ethanediyl]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

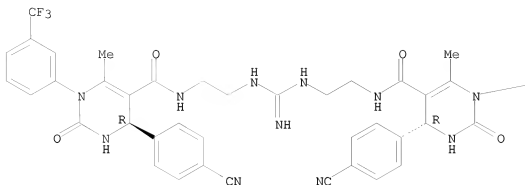
—CF<sub>3</sub>

RN 917814-16-5 CAPLUS

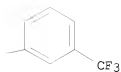
CN 5-Pyrimidinecarboxamide, N,N'-[carbonimidoylbis(imino-2,1-ethanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

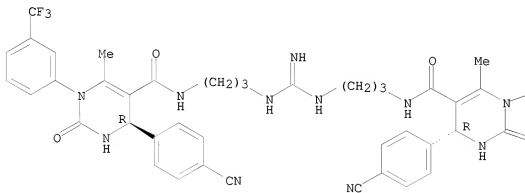


RN 917814-18-7 CAPLUS

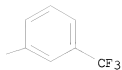
CN 5-Pyrimidinecarboxamide, N,N'-[carbonimidoylbis(imino-3,1-propanediyl)]bis[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R,4'R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

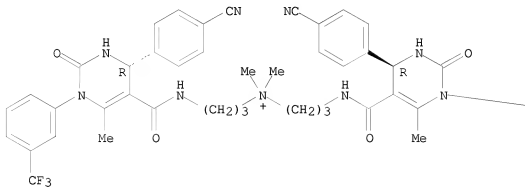


RN 917814-19-8 CAPLUS

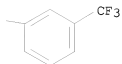
CN 1-Propanaminium, 3-[[[(4R)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]-N-[3-[[[(4R)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]propyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

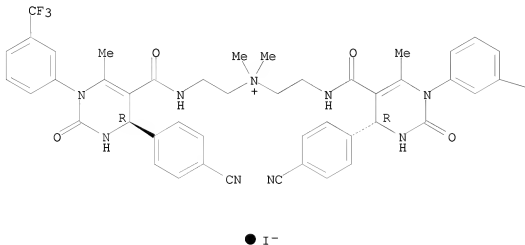


RN 917814-20-1 CAPLUS

CN Ethanaminium, 2-[[[(4R)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]-N-[2-[[[(4R)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

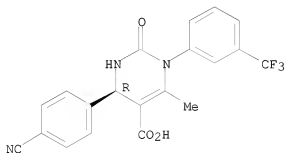
PAGE 1-A



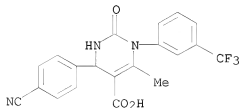
—CF<sub>3</sub>

IT 864228-16-0P  
 RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of dihydropyrimidone multimers as human neutrophil elastase inhibitors)  
 RN 864228-16-0 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 671775-95-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of dihydropyrimidone multimers as human neutrophil elastase inhibitors)  
 RN 671775-95-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



IT 864151-33-7P 904958-42-5P 917814-21-2P  
 917814-22-3P 917814-23-4P 917814-24-5P

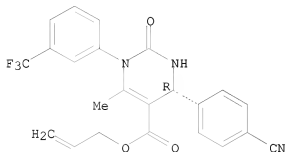


RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of dihydropyrimidone multimers as human neutrophil elastase  
inhibitors)

RN 864151-33-7 CAPLUS

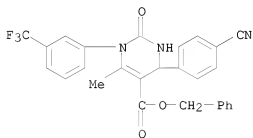
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester, (4R)- (CA  
INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 904958-42-5 CAPLUS

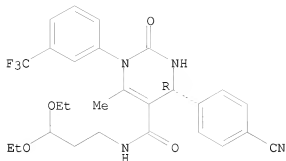
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, phenylmethyl ester (CA INDEX NAME)



RN 917814-21-2 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N-(3,3-diethoxypropyl)-1,2,3,4-  
tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX  
NAME)

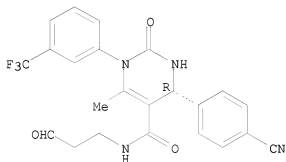
Absolute stereochemistry.



RN 917814-22-3 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-N-(3-oxopropyl)-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

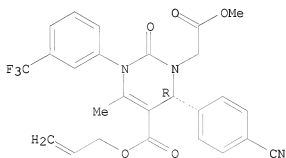
Absolute stereochemistry.



RN 917814-23-4 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-, methyl ester, (6R)- (CA INDEX NAME)

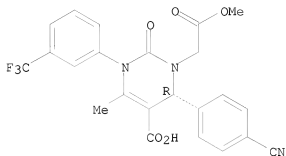
Absolute stereochemistry.



RN 917814-24-5 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-carboxy-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1-methyl ester, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



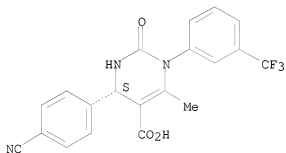
IT 917814-25-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of dihydropyrimidone multimers as human neutrophil elastase inhibitors)

RN 917814-25-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4S)- (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:796025 CAPLUS  
 DN 145:211067  
 TI Multimers of tetrahydropyrimidinone compounds as elastase inhibitors and their preparation, pharmaceutical compositions, and use for treatment of respiratory diseases  
 IN Finch, Harry; Edwards, Christine; Ray, Nicholas Charles; O'Connor, Elizabeth Anne; Fitzgerald, Mary F.  
 PA Argenta Discovery Ltd, UK  
 SO PCT Int. Appl., 132 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

|      | PATENT NO.        | KIND   | DATE     | APPLICATION NO.  | DATE     |
|------|-------------------|--|----------|------------------|----------|
| PI   | WO 2006082412     | A2   | 20060810 | WO 2006-GB361    | 20060203 |
|      | WO 2006082412     | A3   | 20061012 |                  |          |
|      | W:                | AE, AG, AL, AM, AT, AU, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                  |          |
|      | RW:               | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM   |          |                  |          |
|      | AU 2006210730     | A1   | 20060810 | AU 2006-210730   | 20060203 |
|      | CA 2595801        | A1   | 20060810 | CA 2006-2595801  | 20060203 |
|      | EP 1856059        | A2   | 20071121 | EP 2006-709612   | 20060203 |
|      | R:                | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR   |          |                  |          |
|      | IN 2007DN05905    | A  | 20070817 | IN 2007-DN5905   | 20070727 |
|      | CN 101151252      | A  | 20080326 | CN 2006-80009856 | 20070926 |
| PRAI | GB 2005-2258      | A  | 20050203 |                  |          |
|      | WO 2006-GB361     | W  | 20060203 |                  |          |
| OS   | MARPAT 145:211067 |  |          |                  |          |

AB A compound of formula I is useful in therapy, e.g. of respiratory diseases. Compds. of formula I wherein L is a linker; each A are independently (un)substituted (hetero)aryl; D is O or S; each Y1 - Y5 are independently CH, CR6 or N, with the proviso that one of them is CR3, one CR6 and not more than two N per ring; each R3 are independently H, halo, NO2, CN, (un)substituted C1-6 alkyl, OH, or (un)substituted C1-6 alkoxy; each R4 are independently COCF3, (un)substituted C1-6 alkylcarbonyl, (un)substituted C1-6 alkoxy carbonyl, (un)substituted C1-6 alkenyloxy carbonyl, hydroxycarbonyl, CONH2 and derivs., (un)substituted (hetero)aryl, etc.; each R5 are independently (un)substituted C1-4 alkyl or amino; each R6 are independently halo, NO2, CN, (un)substituted C1-6 alkyl, OH, or (un)substituted C1-6 alkoxy; and their pharmaceutically acceptable salts, solvates or N-oxides thereof are claimed. Example compound II was prepared by N-alkylation of compound III with 1,12-dibromododecane. The invention compds. were evaluated for their elastase inhibitory activity. The tested compds. were shown to have desirable HNE inhibitory activity (no data).

IT 904957-71-7P 904957-72-8P 904957-86-4P

904958-07-2P 904958-35-6P

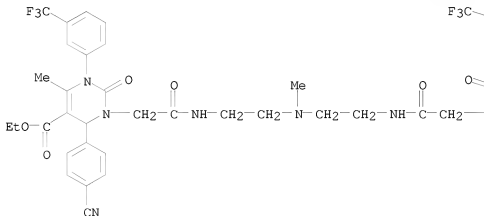
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate and intermediate; preparation of multimers of tetrahydropyrimidinone compds. as elastase inhibitors useful in the treatment of respiratory diseases)

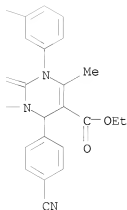
RN 904957-71-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[[2-[[[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

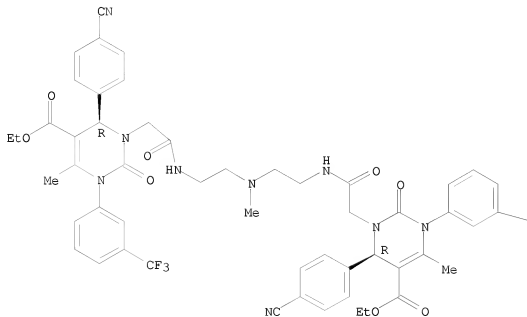


RN 904957-72-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[1[2-[1[2-[1(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



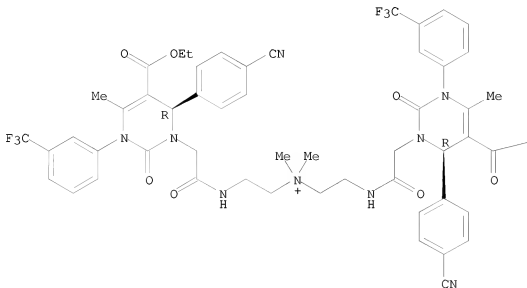
PAGE 1-B

—CF<sub>3</sub>

RN 904957-86-4 CAPLUS  
 CN Ethanaminium, 2-[[2-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

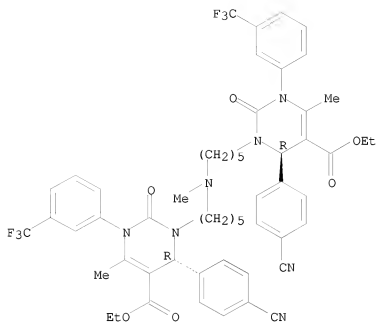


PAGE 1-B



RN 904958-07-2 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,1'-[(methylimino)di-5,1-pentanediy]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

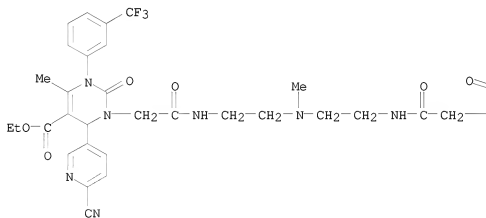
Absolute stereochemistry.



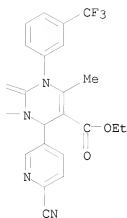
RN 904958-35-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-3-[2-[[2-[[2-[[2-6-(6-cyano-3-pyridinyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A







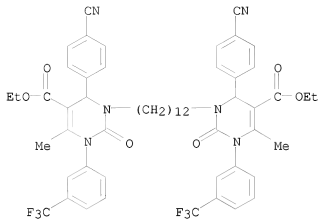
IT 904957-62-6P 904957-63-7P 904957-64-8P  
 904957-65-9P 904957-66-0P 904957-67-1P  
 904957-68-2P 904957-69-3P 904957-70-6P  
 904957-73-9P 904957-74-0P 904957-75-1P  
 904957-76-2P 904957-77-3P 904957-78-4P  
 904957-79-5P 904957-80-8P 904957-81-9P  
 904957-83-1P 904957-84-2P 904957-85-3P  
 904957-87-5P 904957-88-6P 904957-89-7P  
 904957-90-0P 904957-91-1P 904957-92-2P  
 904957-93-3P 904957-94-4P 904957-95-5P  
 904957-96-6P 904957-97-7P 904957-98-8P  
 904957-99-9P 904958-00-5P 904958-01-6P  
 904958-02-7P 904958-03-8P 904958-04-9P  
 904958-05-0P 904958-06-1P 904958-08-3P  
 904958-09-4P 904958-10-7P 904958-11-8P  
 904958-12-9P 904958-13-0P 904958-14-1P  
 904958-15-2P 904958-16-3P 904958-17-4P  
 904958-18-5P 904958-19-6P 904958-20-9P  
 904958-21-0P 904958-22-1P 904958-23-2P  
 904958-24-3P 904958-25-4P 904958-26-5P  
 904958-27-6P 904958-28-7P 904958-30-1P  
 904958-31-2P 904958-32-3P 904958-33-4P  
 904958-34-5P 904958-36-7P 904958-37-8P  
 904958-39-0P 904958-41-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(drug candidate; preparation of multimers of tetrahydropyrimidinone compds.  
 as elastase inhibitors useful in the treatment of respiratory diseases)

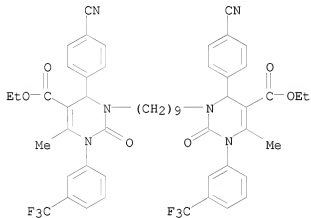
RN 904957-62-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,12-dodecanediyl)bis[6-(4-cyanophenyl)-  
 1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl  
 ester (9CI) (CA INDEX NAME)



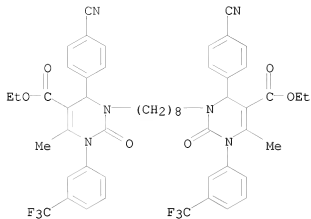
RN 904957-63-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,9-nonanediyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



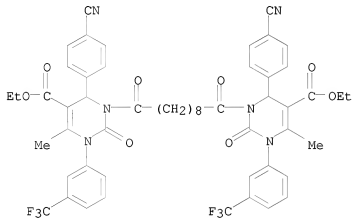
RN 904957-64-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,8-octanediyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



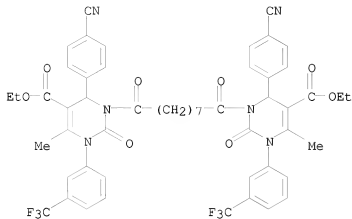
RN 904957-65-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,10-dioxo-1,10-decanediyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



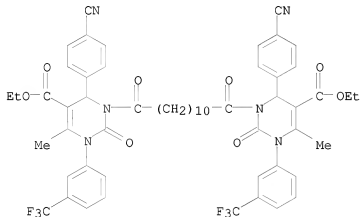
RN 904957-66-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,9-dioxo-1,9-nonanediyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 904957-67-1 CAPLUS

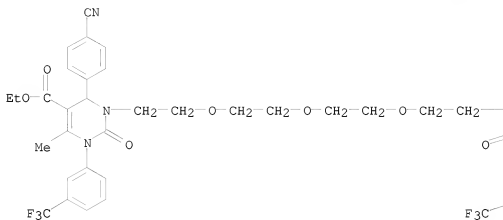
CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,12-dioxo-1,12-dodecanediyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



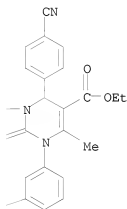
RN 904957-68-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[oxybis(2,1-ethanedioxy-2,1-ethanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

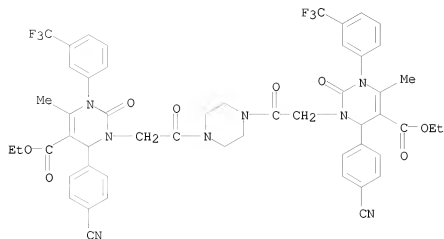


PAGE 1-B



RN 904957-69-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[4-[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

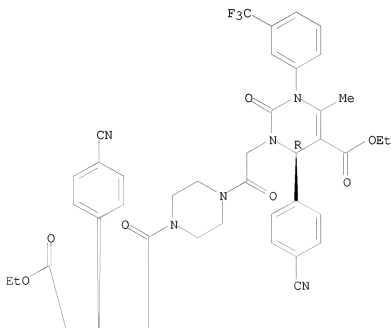


RN 904957-70-6 CAPLUS

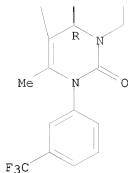
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[4-[2-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



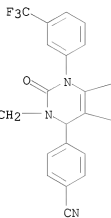
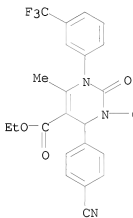
PAGE 2-A



RN 904957-73-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[3-[[3-[[2-(6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]propyl]methylamino]propyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

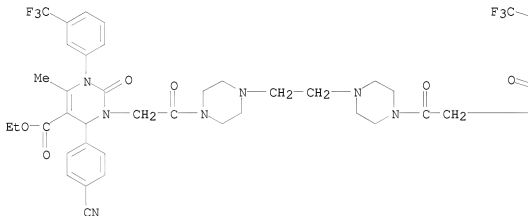
Me



RN 904957-74-0 CAPLUS

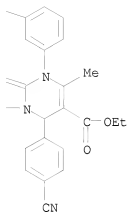
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[4-[2-[4-[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]-1-piperazinyl]ethyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A

F<sub>3</sub>C



PAGE 1-B

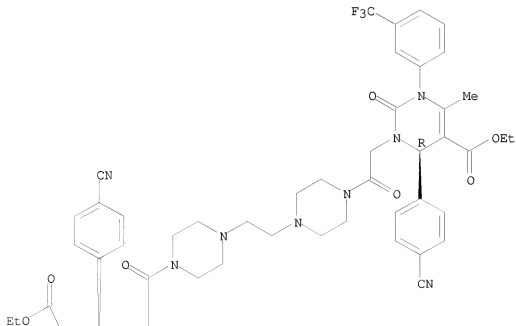


RN 904957-75-1 CAPLUS

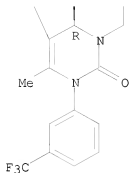
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[4-[2-[4-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]-1-piperazinyl]ethyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

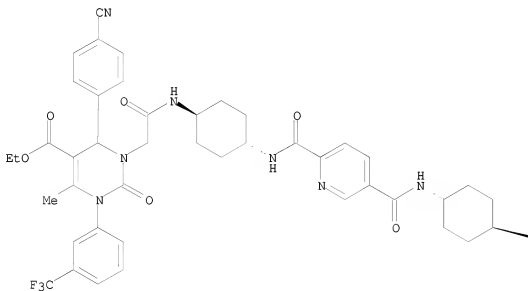


RN 904957-76-2 CAPLUS

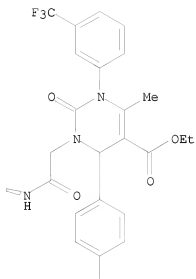
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[trans-4-[[[5-[[[trans-4-[[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]cyclohexyl]amino]carbonyl]-2-pyridinyl]carbonyl]amino]cyclohexyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-ethyl ester (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



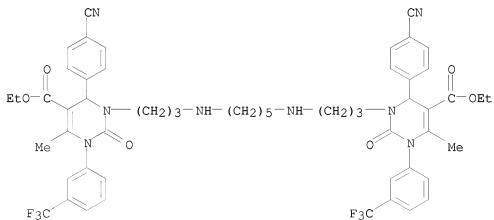
PAGE 1-B



PAGE 2-B

RN 904957-77-3 CAPLUS

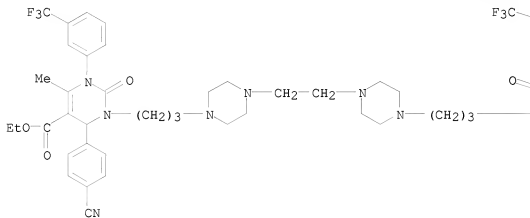
CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,5-pentanediy]bis(imino-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-(3-(trifluoromethyl)phenyl)-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)



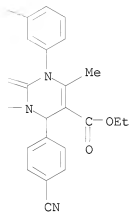
RN 904957-78-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,2-ethanediylbis(4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

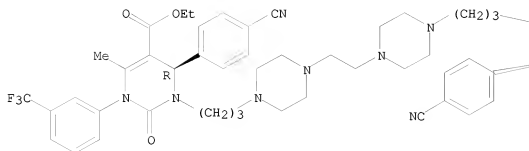


RN 904957-79-5 CAPLUS

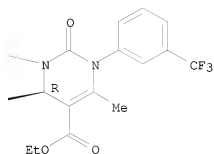
CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,2-ethanediylbis(4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

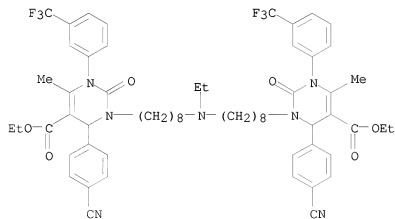


PAGE 1-B



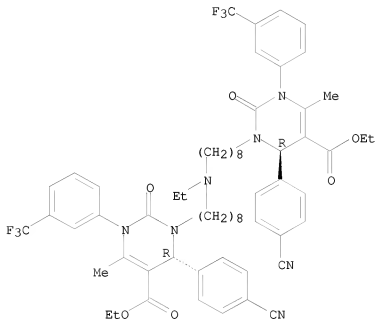
RN 904957-80-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[(ethylimino)di-8,1-octanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 904957-81-9 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,1'-[(ethylimino)di-8,1-octanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

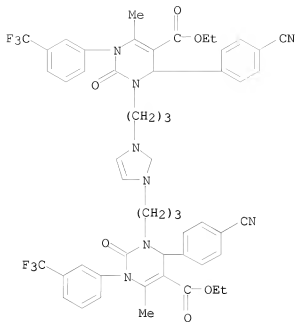
Absolute stereochemistry.



RN 904957-83-1 CAPLUS  
 CN 1H-Imidazolium, 1,3-bis[3-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 904957-82-0  
 CMF C53 H49 F6 N8 O6



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

CM 2

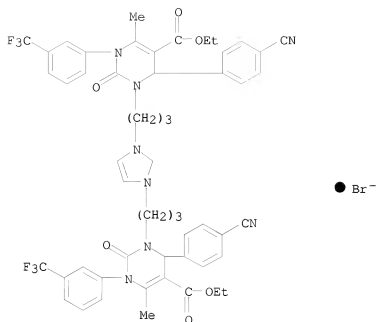
CRN 14477-72-6

CMF C2 F3 O2



RN 904957-84-2 CAPLUS

CN 1H-Imidazolium, 1,3-bis[3-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-, bromide (1:1) (CA INDEX NAME)

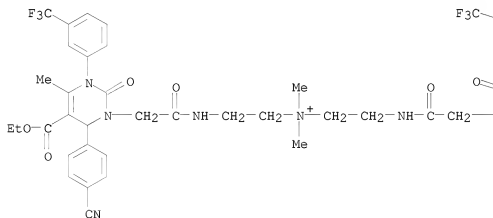


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 904957-85-3 CAPLUS

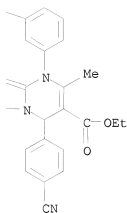
CN Ethanaminium, 2-[[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

PAGE 1-A



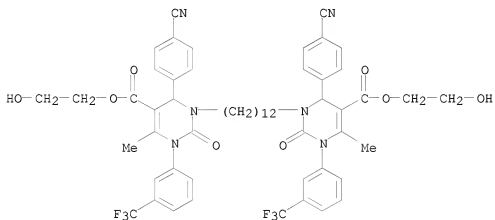


PAGE 1-B



RN 904957-87-5 CAPLUS

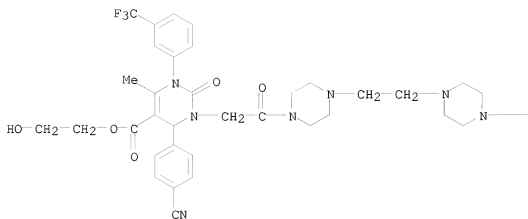
CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,12-dodecanediyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, bis(2-hydroxyethyl) ester (9CI) (CA INDEX NAME)



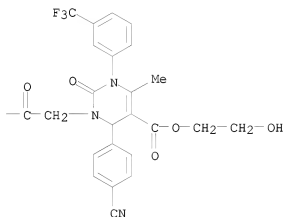
RN 904957-88-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[4-[2-[4-[2-[6-(4-cyanophenyl)-3,6-dihydro-5-[(2-hydroxyethoxy)carbonyl]-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]-1-piperazinyl]ethyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester (CA INDEX NAME)

PAGE 1-A



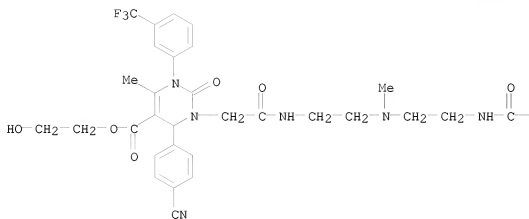
PAGE 1-B



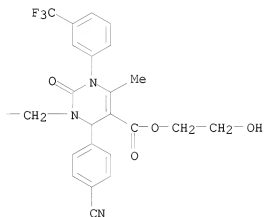
RN 904957-89-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[2-[[2-[[2-6-(4-cyanophenyl)-3,6-dihydro-5-[(2-hydroxyethoxy)carbonyl]-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester (CA INDEX NAME)

PAGE 1-A



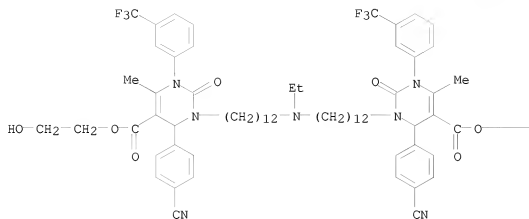
PAGE 1-B



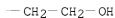
RN 904957-90-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[(ethylimino)di-12,1-dodecanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, bis(2-hydroxyethyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



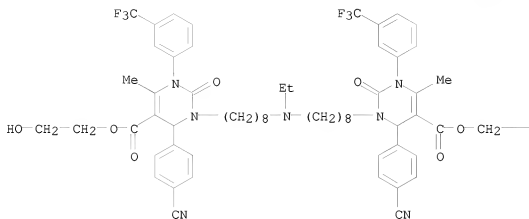
PAGE 1-B



RN 904957-91-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[(ethylimino)di-8,1-octanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, bis(2-hydroxyethyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



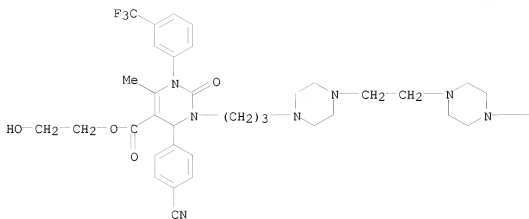
PAGE 1-B

$$\text{---CH}_2\text{---OH}$$

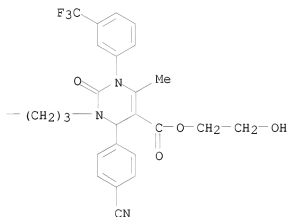
RN 904957-92-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,2-ethanediylbis(4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, bis(2-hydroxyethyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



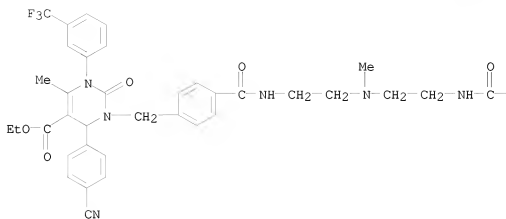
PAGE 1-B



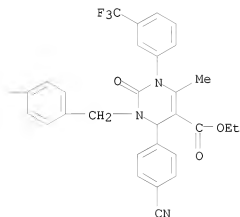
RN 904957-93-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[[4-[[[2-[[2-[[4-[[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl)methyl]benzoyl]amino]ethyl]methylamino]ethyl]amino]carbonyl]phenyl)methyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A

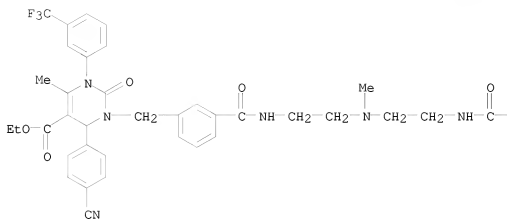


PAGE 1-B

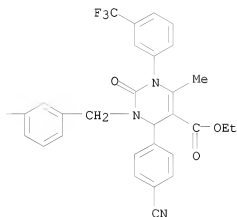


RN 904957-94-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[[[3-[[[2-[[[3-[[[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl)methyl]benzoyl]amino]ethyl]meth-  
 ylamino]ethyl]amino]carbonyl]phenyl)methyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

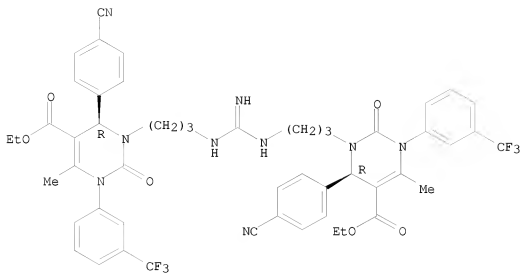


RN 904957-95-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[carbonimidoylbis(imino-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

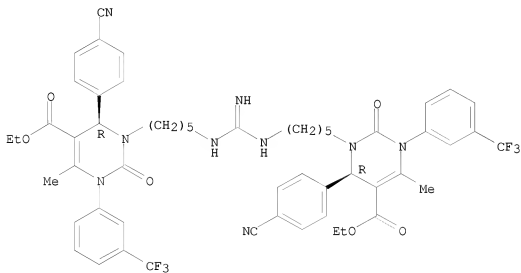




RN 904957-96-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[carbonimidoylbis(imino-5,1-pentanediy)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

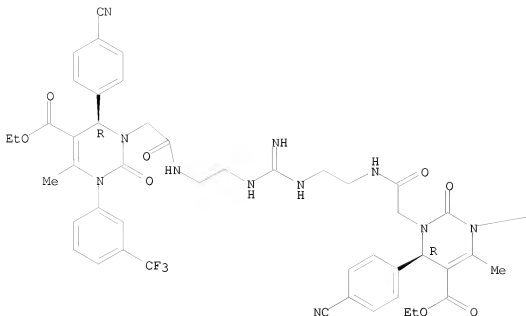


RN 904957-97-7 CAPLUS

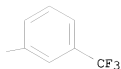
CN 5-Pyrimidinecarboxylic acid, 1,1'-[7-imino-2,12-dioxo-3,6,8,11-tetraaza-1,13-tridecanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



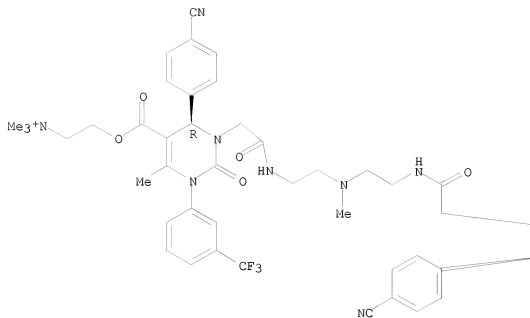
PAGE 1-B



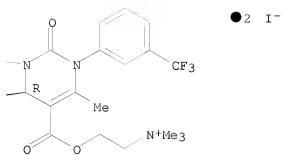
RN 904957-98-8 CAPLUS  
 CN Ethanaminium, 2,2'-[(methylimino)bis[2,1-ethanediylimino(2-oxo-2,1-ethanediyl)] [(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1,5(2H)-pyrimidinediyl]carbonyloxy]]bis[N,N,N-trimethyl-, diiodide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



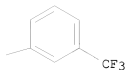
PAGE 1-B



RN 904957-99-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[2-[[2-[[2-[(6R)-6-(4-cyanophenyl)-5-[[2-(dimethylamino)ethoxy]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]met

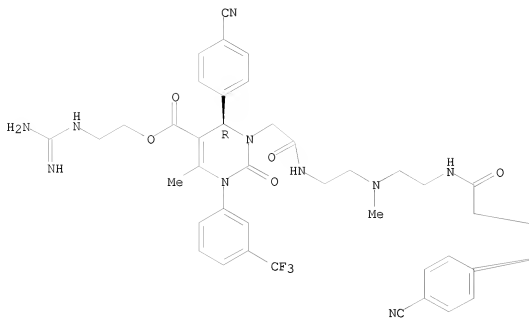




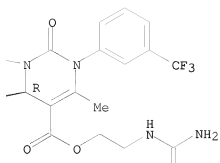
RN 904958-00-5 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 3-[2-[[2-[[2-[(6R)-5-[[2-[(aminoiminomethyl)amino]ethoxy]carbonyl]-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-[(aminoiminomethyl)amino]ethyl ester, (4R)-(CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



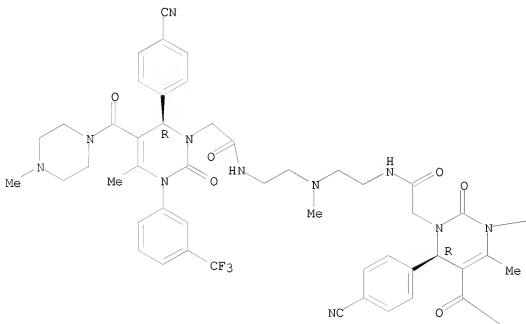
PAGE 1-B



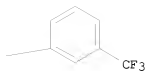


RN 904958-01-6 CAPLUS  
 CN 1(2H)-Pyrimidineacetamide, N,N'-[(methylimino)di-2,1-ethanediyl]bis[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-[(4-methyl-1-piperazinyl)carbonyl]-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R,6'R)- (9CI) (CA INDEX NAME)

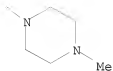
Absolute stereochemistry.



PAGE 1-B



PAGE 2-A

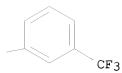
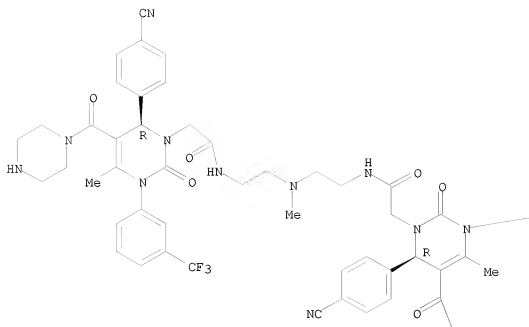


PAGE 2-B

RN 904958-02-7 CAPLUS  
 CN 1(2H)-Pyrimidineacetamide, N,N'-[(methylimino)di-2,1-ethanediyl]bis[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(1-piperazinylcarbonyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R,6'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.





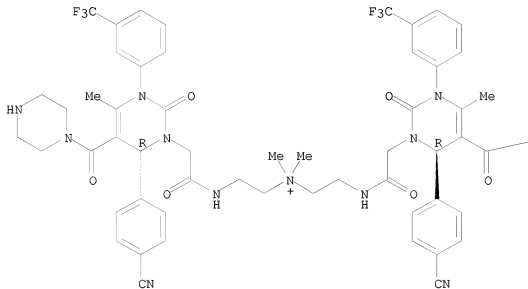
PAGE 2-A



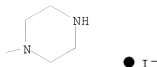
RN 904958-03-8 CAPLUS  
 CN Ethanaminium, 2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(1-piperazinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(1-piperazinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

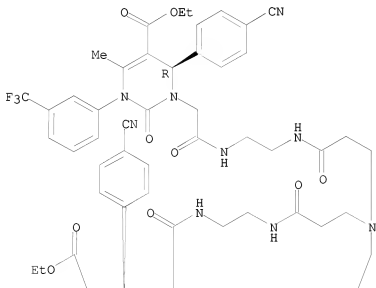


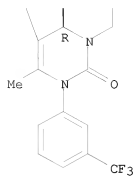
RN 904958-04-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[22-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]-10,13-bis[3-[[2-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]amino]-3-oxopropyl]-2,7,16,21-tetraoxo-3,6,10,13,17,20-hexaazadocos-1-yl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

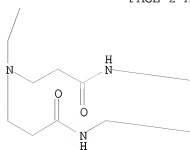
Absolute stereochemistry.

PAGE 1-A



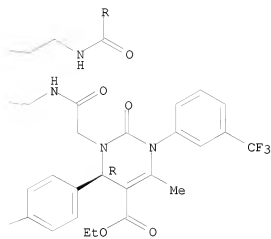


PAGE 2-A

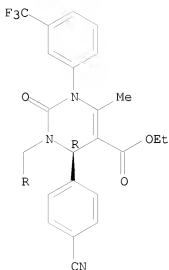


NC

PAGE 2-B

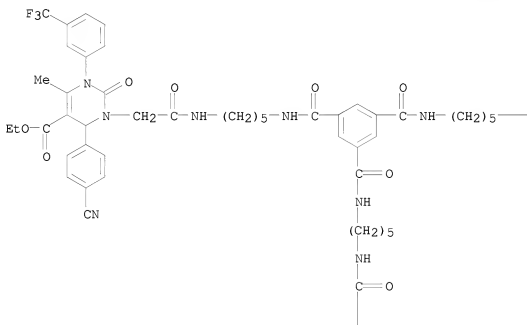


PAGE 3-A

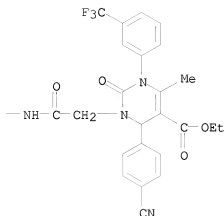


RN 904958-05-0 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 3-[2-[[5-[3,5-bis[[[5-[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]pentyl]amino]carbonyl]benzoyl]amino]pentyl]amino]-2-oxoethyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

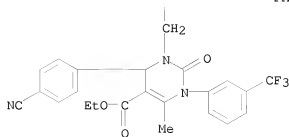
PAGE 1-A



PAGE 1-B



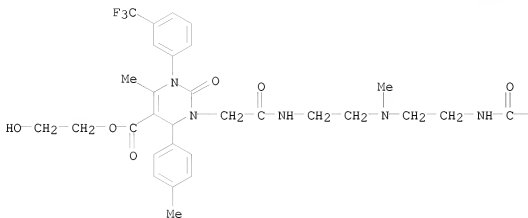
PAGE 2-A



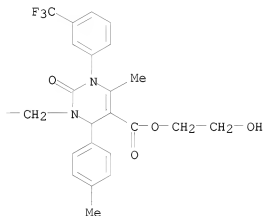
RN 904958-06-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[2-[[2-[[2-[[2-(3,6-dihydro-5-[(2-hydroxyethoxy)carbonyl]-4-methyl-6-(4-methylphenyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-4-(4-methylphenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

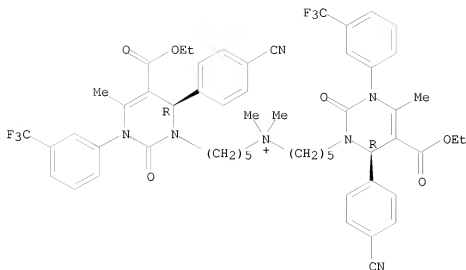


RN 904958-08-3 CAPLUS

CN 1 (2H)-Pyrimidinepentanaminium, 6-(4-cyanophenyl)-N-[5-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1 (2H)-pyrimidinyl]pentyl]-5-(ethoxycarbonyl)-3,6-dihydro-N,N,4-trimethyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, iodide (1:1), (6R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



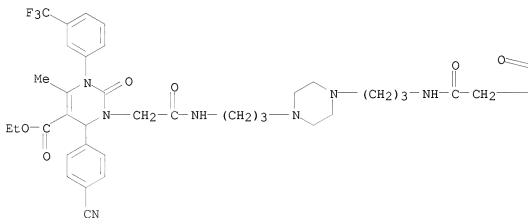
PAGE 2-A

● I<sup>-</sup>

RN 904958-09-4 CAPLUS

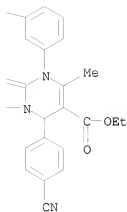
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[[3-[4-[3-[[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]propyl]-1-piperazinyl]propyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A

F<sub>3</sub>C—



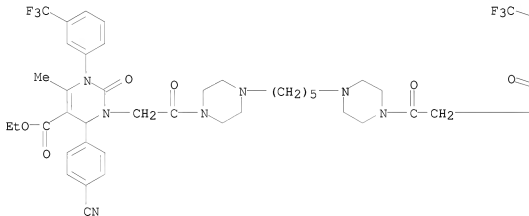
PAGE 1-B



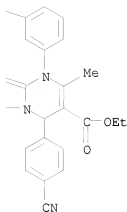
RN 904958-10-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[4-[5-[4-[2-[6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]-1-piperazinyl]pentyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

PAGE 1-A

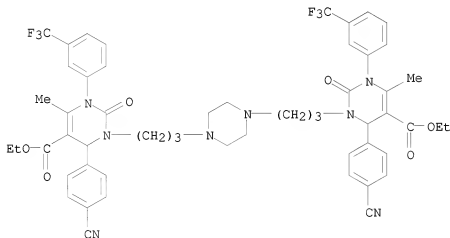
F<sub>3</sub>C

PAGE 1-B



RN 904958-11-8 CAPLUS

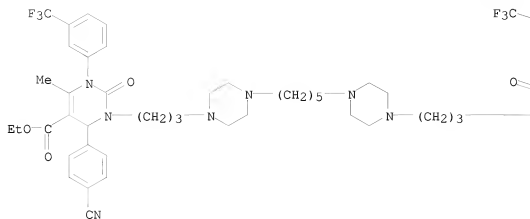
CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,4-piperazinediyl)-3,1-propanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



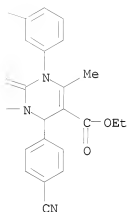
RN 904958-12-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,5-pentanediy]bis(4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



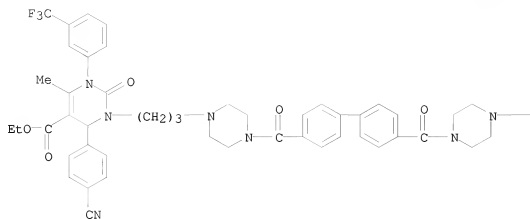
PAGE 1-B



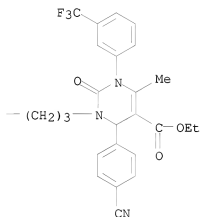
RN 904958-13-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[[1,1'-biphenyl]-4,4'-diylbis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



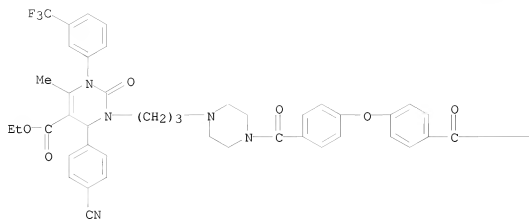
PAGE 1-B



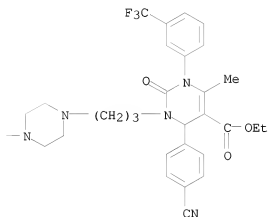
RN 904958-14-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[oxybis(4,1-phenylenecarbonyl-4,1-piperazinediyl-1,3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

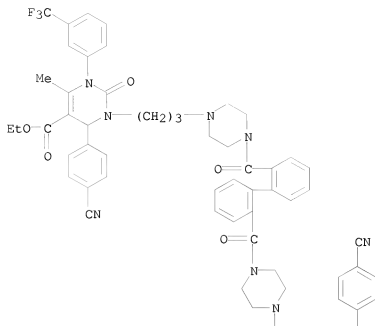


PAGE 1-B

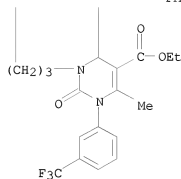


RN 904958-15-2 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,1'-[[1,1'-biphenyl]-2,2'-diylbis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

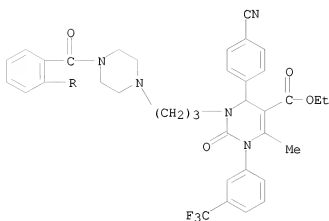


PAGE 2-A

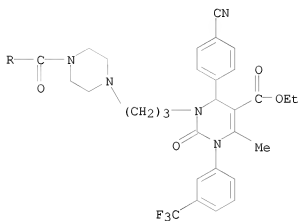


RN 904958-16-3 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,2-phenylenebis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

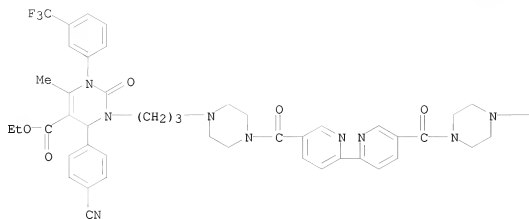


PAGE 2-A

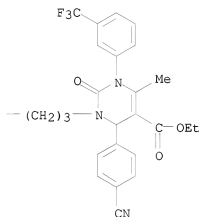


RN 904958-17-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,1'-[[2,2'-bipyridin]-5,5'-diylbis(carbonyl-4,1-piperazinediyl-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

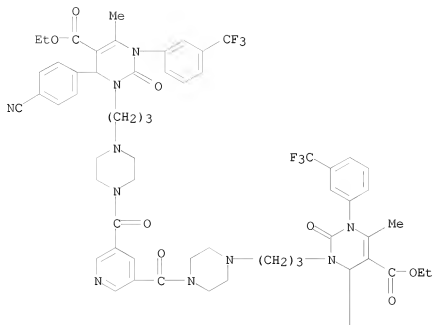


RN 904958-18-5 CAPLUS

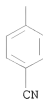
CN 5-Pyrimidinecarboxylic acid, 1,1'-[3,5-pyridinediylbis(carbonyl-4,1-piperazinediyl-1,3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



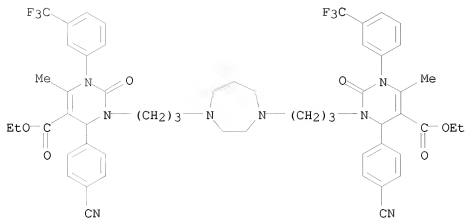
PAGE 1-A



PAGE 2-A



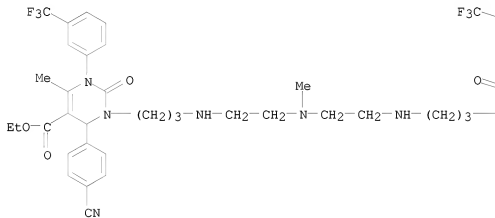
RN 904958-19-6 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,1'-[(tetrahydro-1H-1,4-diazepine-1,4(5H)-diyl)di-3,1-propanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)



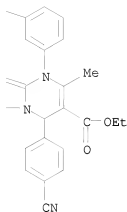
RN 904958-20-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[(methylimino)bis(2,1-ethanediylimino-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

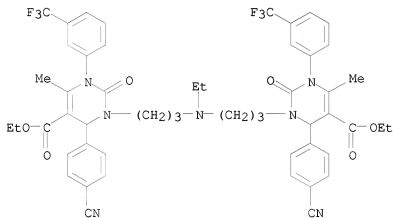
F<sub>3</sub>C

PAGE 1-B



RN 904958-21-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[(ethylimino)di-2,1-ethanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

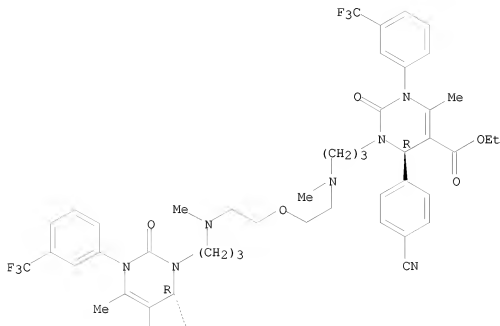


RN 904958-22-1 CAPLUS

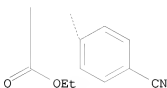
CN 5-Pyrimidinecarboxylic acid, 1,1'-[oxybis[2,1-ethanediyl(methylimino)-3,1-propanediyl]]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

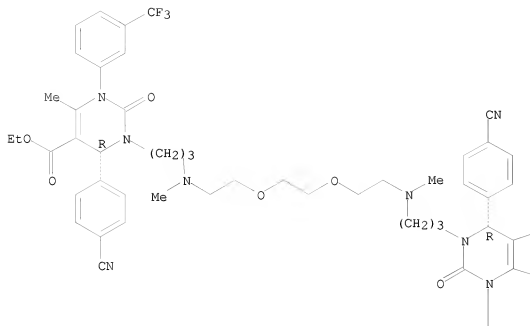


RN 904958-23-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-(4,13-dimethyl-7,10-dioxo-4,13-diazahexadecane-1,16-diyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



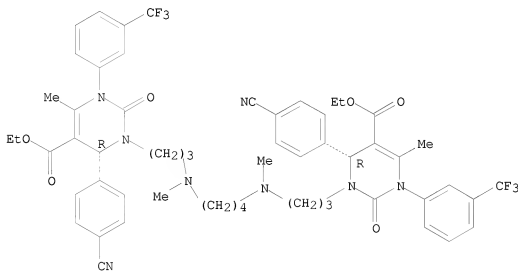
PAGE 2-A



RN 904958-24-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,4-butanediylbis[(methylimino)-3,1-propanediyl]]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 904958-25-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[1,8-octanediylbis[(methylimino)-3,1-propanediyl]]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester (9CI) (CA INDEX NAME)

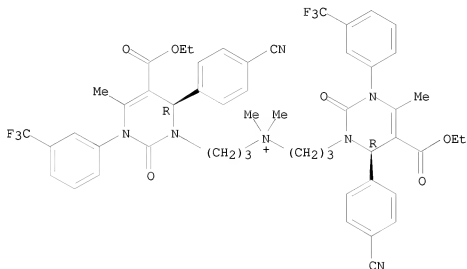
Absolute stereochemistry.



dihydro-N,N,4-trimethyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, iodide  
(1:1), (6R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



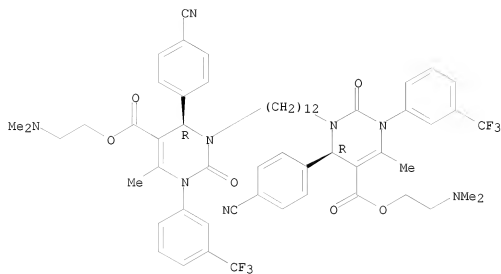
PAGE 2-A

● I<sup>-</sup>

RN 904958-28-7 CAPLUS  
CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,12-dodecanediyl)bis[6-(4-cyanophenyl)-  
1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-,  
bis[2-(dimethylamino)ethyl] ester, (6R,6'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



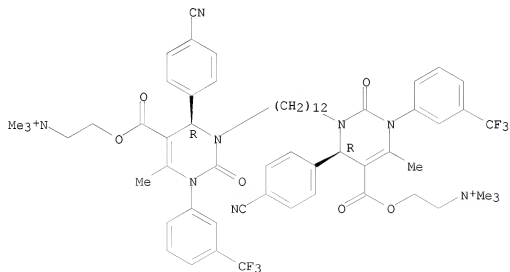


RN 904958-30-1 CAPLUS  
 CN Ethanaminium, 2-[[[(4R)-4-(4-cyanophenyl)-3-[[12-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-5-[[2-(trimethylammonio)ethoxy]carbonyl]-1(2H)-pyrimidinyl]dodecyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]oxy]-N,N,N-trimethyl-, formate (1:2) (CA INDEX NAME)

CM 1

CRN 904958-29-8  
 CMF C62 H74 F6 N8 O6

Absolute stereochemistry.



CM 2

CRN 71-47-6

CMF C H O2

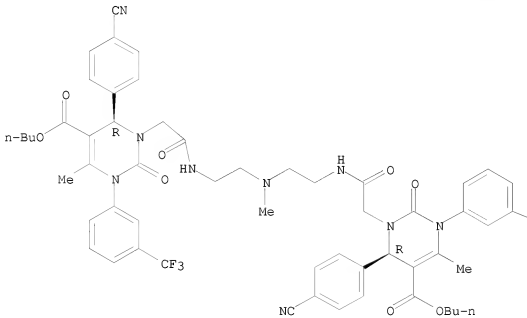


RN 904958-31-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[2-[[2-[[2-[(6R)-5-(butoxycarbonyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]-2-oxoethyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, butyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



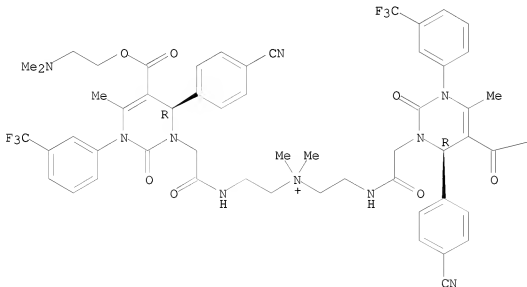
CF<sub>3</sub>

RN 904958-32-3 CAPLUS

CN Ethanaminium, 2-[[2-[(6R)-6-(4-cyanophenyl)-5-[[2-(dimethylamino)ethoxy]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[(6R)-6-(4-cyanophenyl)-5-[[2-(dimethylamino)ethoxy]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



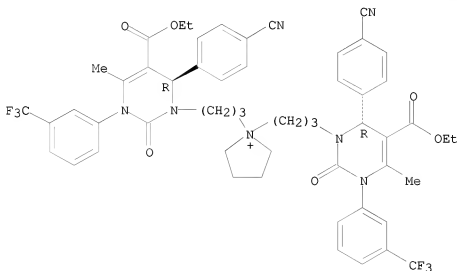
PAGE 1-B



RN 904958-33-4 CAPLUS  
 CN Pyrrolidinium, 1,1-bis[3-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-, bromide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



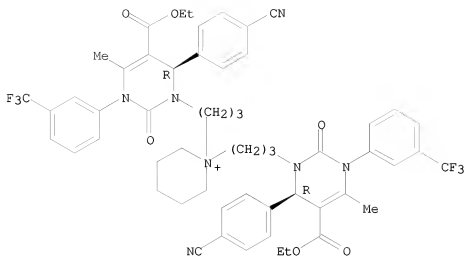
PAGE 2-A



RN 904958-34-5 CAPLUS  
 CN Piperidinium, 1,1-bis[3-[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]propyl]-, bromide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

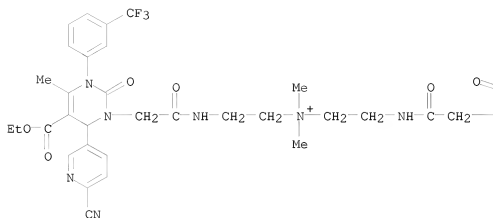


PAGE 2-A

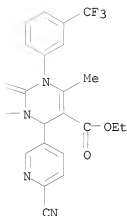


RN 904958-36-7 CAPLUS  
 CN Ethanaminium, 2-[[2-[6-(6-cyano-3-pyridinyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[6-(6-cyano-3-pyridinyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

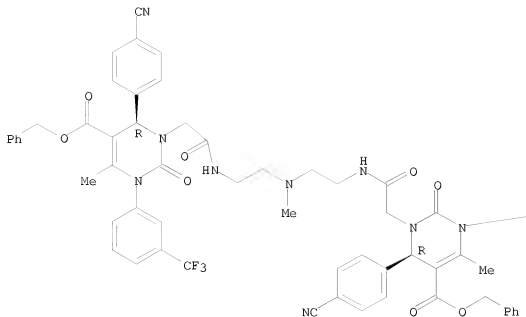


RN 904958-37-8 CAPLUS

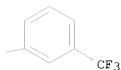
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(phenylmethoxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, phenylmethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



RN 904958-39-0 CAPLUS  
 CN Ethanaminium, 2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-  
 [(phenylmethoxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-1(2H)-  
 pyrimidinyl]acetyl]amino]-N-[2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-  
 methyl-2-oxo-5-[(phenylmethoxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-  
 1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, formate (1:1) (CA  
 INDEX NAME)

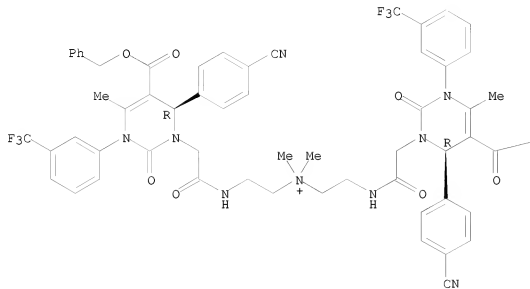
CM 1

CRN 904958-38-9

CMF C64 H58 F6 N9 O8

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



CM 2

CRN 71-47-6

CMF C H O2





RN 904958-41-4 CAPLUS  
 CN Ethanaminium, 2-[[[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[[(6R)-6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, butanedioate (2:1) (9CI) (CA INDEX NAME)

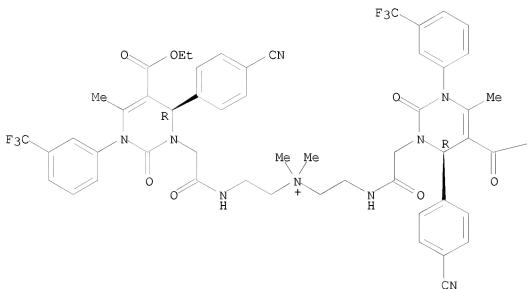
CM 1

CRN 904958-40-3

CMF C54 H54 F6 N9 O8

Absolute stereochemistry.

PAGE 1-A



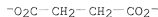
PAGE 1-B

OEt

CM 2

CRN 56-14-4

CMF C4 H4 O4



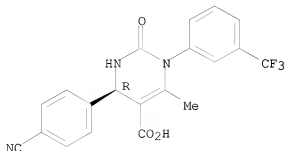
IT 864228-16-0P 904958-45-8P

RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(intermediate; preparation of multimers of tetrahydropyrimidinone compds. as elastase inhibitors useful in the treatment of respiratory diseases)

RN 864228-16-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

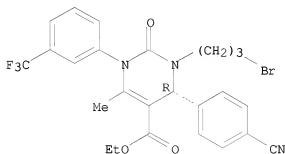
Absolute stereochemistry.



RN 904958-45-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(3-bromopropyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 671776-07-1P 864151-33-7P 904958-42-5P  
904958-43-6P 904958-44-7P 904958-46-9P  
904958-47-0P 904958-48-1P 904958-49-2P  
904958-50-5P 904958-51-6P 904958-52-7P  
904958-53-8P 904958-54-9P 904958-55-0P  
904958-56-1P 904958-57-2P 904958-58-3P  
904958-59-4P 904958-60-7P 904958-61-8P

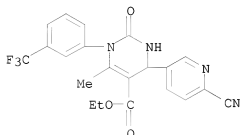
904958-62-9P 904958-63-0P 904958-64-1P  
 904958-65-2P 904958-66-3P 904958-67-4P  
 904958-68-5P 904958-69-6P 904958-70-9P  
 904958-71-0P 904958-72-1P 904958-73-2P  
 904958-74-3P 904958-75-4P 904958-76-5P  
 904958-77-6P 904958-78-7P 904958-79-8P  
 904958-80-1P 904958-81-2P 904958-83-4P  
 904958-97-0P 904958-98-1P 904958-99-2P  
 904959-00-8P 904959-01-9P 904959-02-0P  
 904959-03-1P 904959-04-2P 904959-05-3P  
 904959-06-4P 904959-07-5P 904959-08-6P  
 904959-16-6P 905287-66-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(intermediate; preparation of multimers of tetrahydropyrimidinone compds. as  
 elastase inhibitors useful in the treatment of respiratory diseases)

RN 671776-07-1 CAPLUS

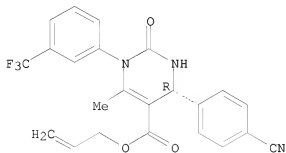
CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 864151-33-7 CAPLUS

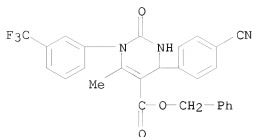
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 904958-42-5 CAPLUS

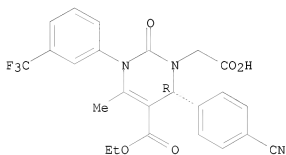
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, phenylmethyl ester (CA INDEX NAME)



RN 904958-43-6 CAPLUS

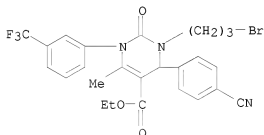
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



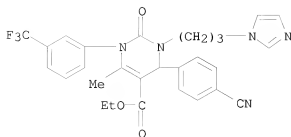
RN 904958-44-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(3-bromopropyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 904958-46-9 CAPLUS

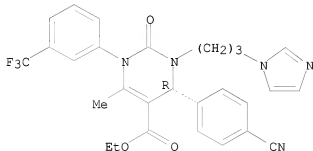
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-[3-(1H-imidazol-1-yl)propyl]-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 904958-47-0 CAPLUS

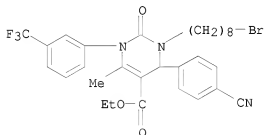
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-[3-(1H-imidazol-1-yl)propyl]-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 904958-48-1 CAPLUS

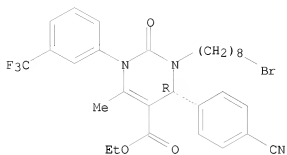
CN 5-Pyrimidinecarboxylic acid, 3-(8-bromooctyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 904958-49-2 CAPLUS

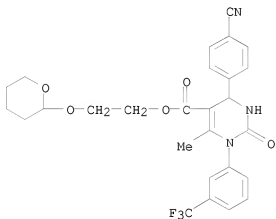
CN 5-Pyrimidinecarboxylic acid, 3-(8-bromooctyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



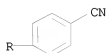
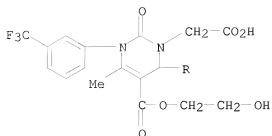
RN 904958-50-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl ester (CA INDEX NAME)



RN 904958-51-6 CAPLUS

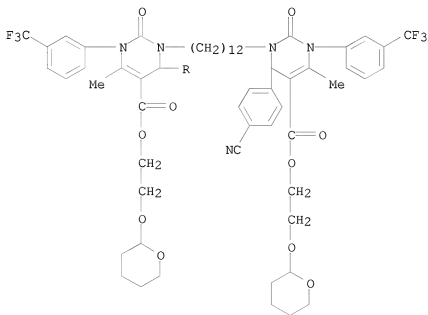
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-5-[(2-hydroxyethoxy)carbonyl]-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



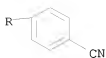
RN 904958-52-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-(1,12-dodecanediyl)bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, bis[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl] ester (9CI) (CA INDEX NAME)

PAGE 1-A

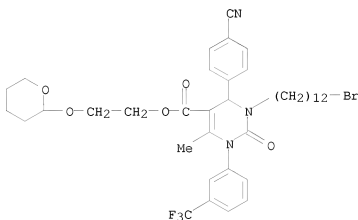


PAGE 2-A



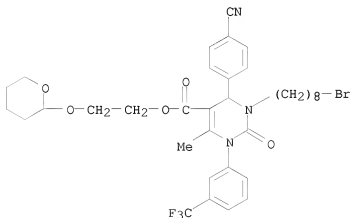
RN 904958-53-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(12-bromododecyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl ester (CA INDEX NAME)



RN 904958-54-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(8-bromooctyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl ester (CA INDEX NAME)



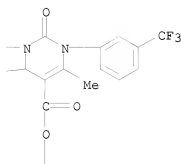
RN 904958-55-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(3-bromopropyl)-4-(4-cyanophenyl)-1,2,3,4-

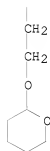




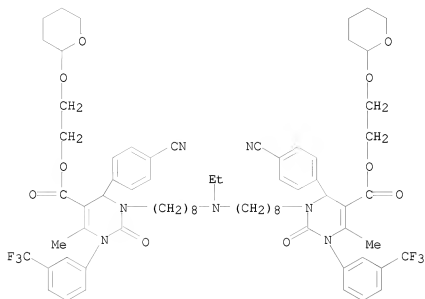
PAGE 1-B



PAGE 2-B

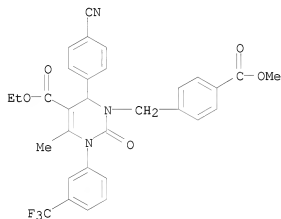


RN 904958-57-2 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,1'-[(ethylimino)di-8,1-octanediyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, bis[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl] ester (9CI) (CA INDEX NAME)



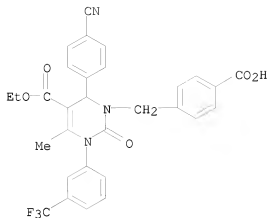
RN 904958-58-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-[[4-(methoxycarbonyl)phenyl]methyl]-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



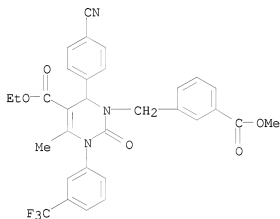
RN 904958-59-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[(4-carboxyphenyl)methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5-ethyl ester (CA INDEX NAME)



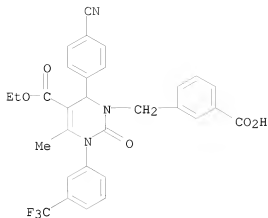
RN 904958-60-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-[[3-(methoxycarbonyl)phenyl]methyl]-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 904958-61-8 CAPLUS

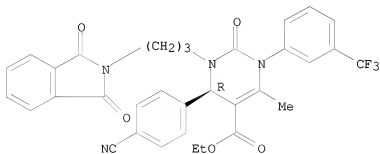
CN 5-Pyrimidinecarboxylic acid, 3-[(3-carboxyphenyl)methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5-ethyl ester (CA INDEX NAME)



RN 904958-62-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

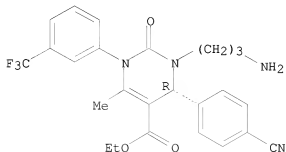
Absolute stereochemistry.



RN 904958-63-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(3-aminopropyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

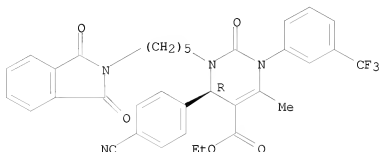
Absolute stereochemistry.



RN 904958-64-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[5-(1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)pentyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

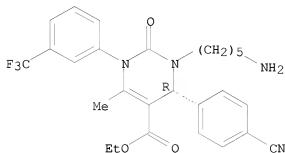
Absolute stereochemistry.



RN 904958-65-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(5-aminopentyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

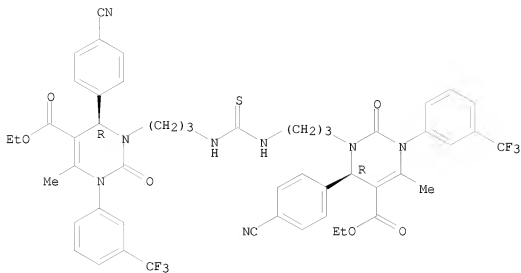
Absolute stereochemistry.



RN 904958-66-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[carbonothioylbis(imino-3,1-propanediyl)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

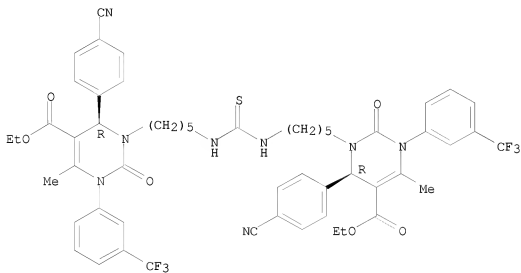
Absolute stereochemistry.



RN 904958-67-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[carbonothioylbis(imino-5,1-pentanediy)]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

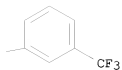
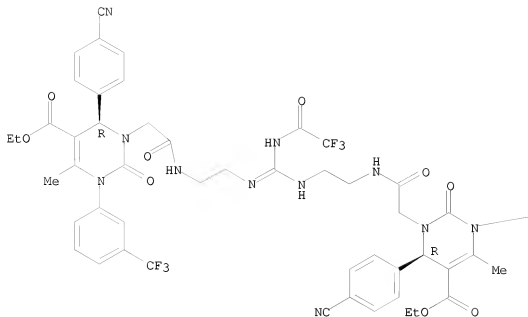
Absolute stereochemistry.



RN 904958-68-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,1'-[2,12-dioxo-7-[(trifluoroacetyl)amino]-3,6,8,11-tetraaza-6-tridecene-1,13-diyl]bis[6-(4-cyanophenyl)-1,2,3,6-tetrahydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, diethyl ester, (6R,6'R)- (9CI) (CA INDEX NAME)

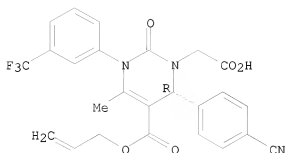
Absolute stereochemistry.



RN 904958-69-6 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-  
 5-[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA  
 INDEX NAME)

Absolute stereochemistry.



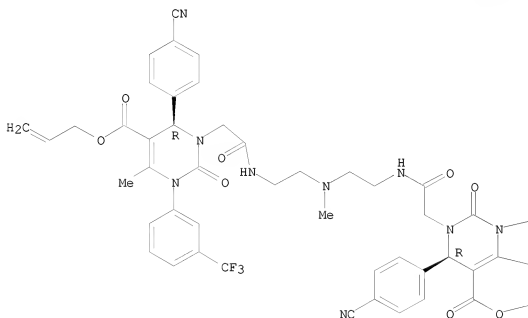


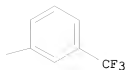
RN 904958-70-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[2-[[2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

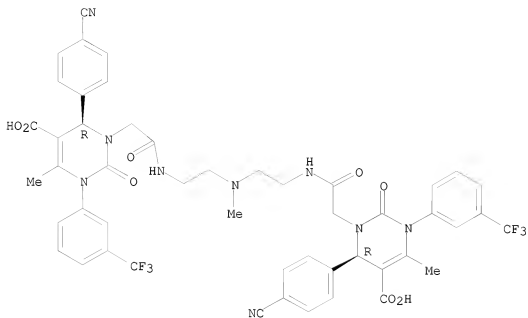




RN 904958-71-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[2-[[2-[[2-[(6R)-5-carboxy-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

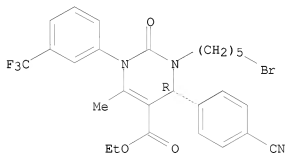
Absolute stereochemistry.



RN 904958-72-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(5-bromopentyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

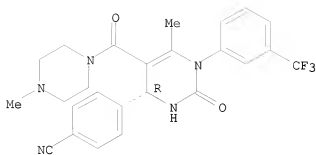
Absolute stereochemistry.



RN 904958-73-2 CAPLUS

CN Benzonitrile, 4-[(4R)-1,2,3,4-tetrahydro-6-methyl-5-[(4-methyl-1-piperazinyl)carbonyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

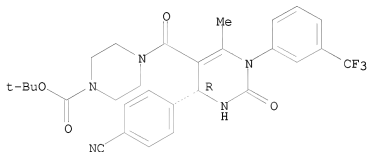
Absolute stereochemistry.



RN 904958-74-3 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[[(4R)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

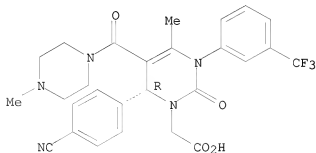
Absolute stereochemistry.



RN 904958-75-4 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-[(4-methyl-1-piperazinyl)carbonyl]-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.

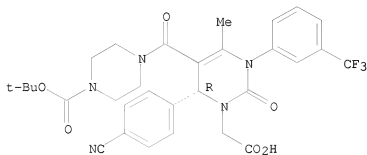


RN 904958-76-5 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-[[[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]carbonyl]-3,6-dihydro-4-methyl-2-

oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.

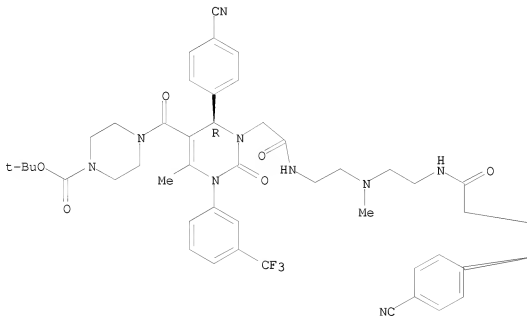


RN 904958-77-6 CAPLUS

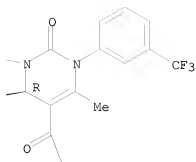
CN 1-Piperazinecarboxylic acid, 4-[[[(4R)-4-(4-cyanophenyl)-3-[2-[[2-[[2-[[2-[(6R)-6-(4-cyanophenyl)-5-[[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.

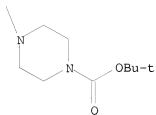
PAGE 1-A



PAGE 1-B

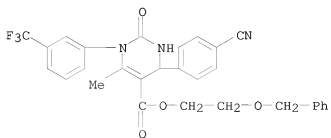


PAGE 2-B

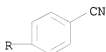
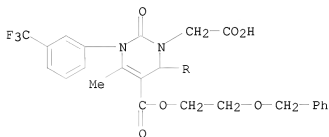


RN 904958-78-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(phenylmethoxy)ethyl ester (CA  
INDEX NAME)

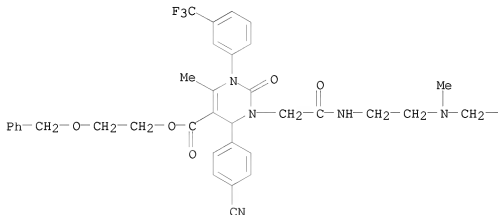


RN 904958-79-8 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[2-(phenylmethoxy)ethoxy]carbonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

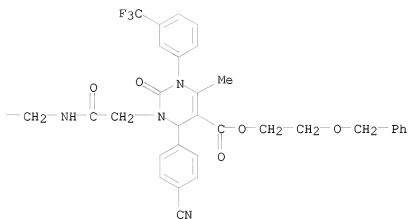


RN 904958-80-1 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[2-[[2-[[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[2-(phenylmethoxy)ethoxy]carbonyl]-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]methylamino]ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(phenylmethoxy)ethyl ester (CA INDEX NAME)

PAGE 1-A

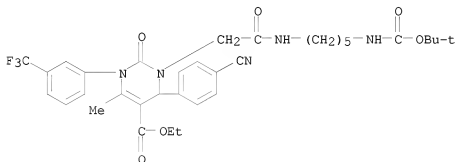


PAGE 1-B



RN 904958-81-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[5-[[[(1,1-dimethylethoxy)carbonyl]amino]pentyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 904958-83-4 CAPLUS

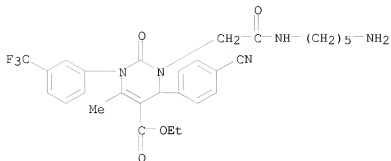
CN 5-Pyrimidinecarboxylic acid, 3-[2-[(5-aminopentyl)amino]-2-oxoethyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 904958-82-3

CMF C29 H32 F3 N5 O4





CM 2

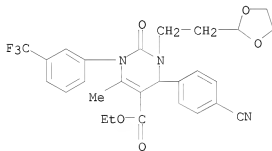
CRN 76-05-1

CMF C2 H F3 O2



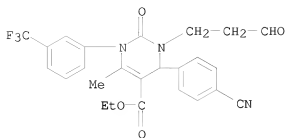
RN 904958-97-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-(1,3-dioxolan-2-yl)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 904958-98-1 CAPLUS

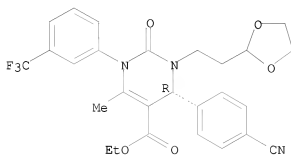
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(3-oxopropyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 904958-99-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-(1,3-dioxolan-2-yl)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

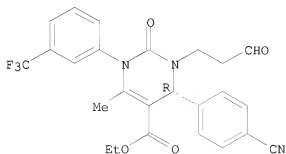
Absolute stereochemistry.



RN 904959-00-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(3-oxopropyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

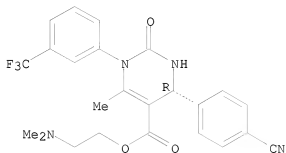
Absolute stereochemistry.



RN 904959-01-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(dimethylamino)ethyl ester, (4R)- (CA INDEX NAME)

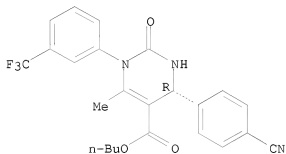
Absolute stereochemistry.



RN 904959-02-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, butyl ester, (4R)- (CA INDEX NAME)

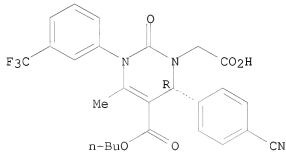
Absolute stereochemistry.



RN 904959-03-1 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-(butoxycarbonyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



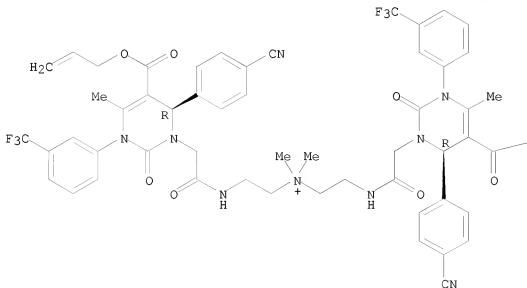
RN 904959-04-2 CAPLUS

CN Ethanaminium, 2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(butoxycarbonyl)pyrimidin-1(2H)-yl]-3-(trifluoromethyl)phenyl]-4-cyanophenyl]-

[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[(6R)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



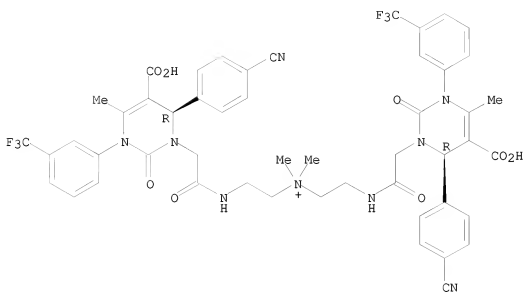
PAGE 1-B



RN 904959-05-3 CAPLUS  
 CN Ethanaminium, 2-[[2-[(6R)-5-carboxy-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-N-[2-[[2-[(6R)-5-carboxy-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]ethyl]-N,N-dimethyl-, iodide (1:1) (CA INDEX NAME)

Absolute stereochemistry.

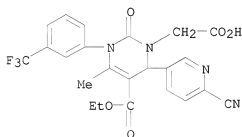
PAGE 1-A



PAGE 2-A

● I<sup>-</sup>

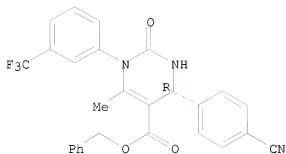
RN 904959-06-4 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(6-cyano-3-pyridinyl)-5-(ethoxycarbonyl)-  
3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

RN 904959-07-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, phenylmethyl ester, (4R)- (CA INDEX  
NAME)

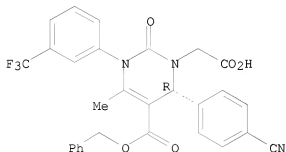
Absolute stereochemistry.



RN 904959-08-6 CAPLUS

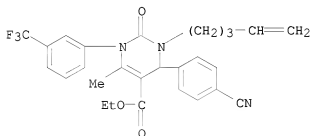
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(phenylmethoxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 904959-16-6 CAPLUS

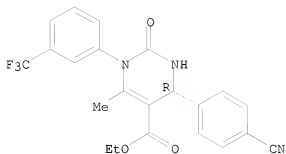
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(4-penten-1-yl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 905287-66-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

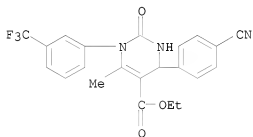


IT 671775-85-2 671776-27-5

RL: RCT (Reactant); RACT (Reactant or reagent)  
(starting material; preparation of multimers of tetrahydropyrimidinone  
comps. as elastase inhibitors useful in the treatment of respiratory  
diseases)

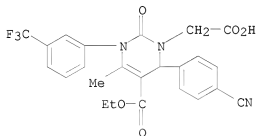
RN 671775-85-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-27-5 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-  
dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



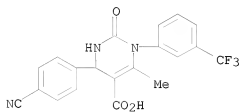
IT 671775-95-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(starting material; preparation of multimers of tetrahydropyrimidinone)

comps. as elastase inhibitors useful in the treatment of respiratory diseases)

RN 671775-95-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

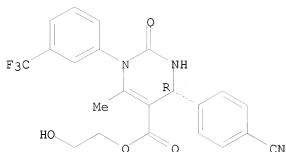




L16 ANSWER 7 OF 30 CAPLUS COPYRIGHT 2008 ACS ON STN  
 AN 2006:608538 CAPLUS  
 DN 145:58204  
 TI Crystal structure of human neutrophil elastase and uses in drug discovery  
 IN Reinemer, Peter; Gielen-Haertwig, Heike; Rosentreter, Ulrich; Li, Volkhart; Harrenga, Axel; Schomburg, Dietmar; Niefind, Karsten; Hansen, Guido  
 PA Bayer Healthcare AG, Germany  
 SO PCT Int. Appl., 123 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

|      | PATENT NO.   | KIND   | DATE     | APPLICATION NO. | DATE     |
|------|--|--|----------|-----------------|----------|
| PI   | WO 2006063792  | A2   | 20060622 | WO 2005-EP13370 | 20051213 |
|      | WO 2006063792  | A3   | 20070412 |                 |          |
|      | W:   | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                 |          |
|      | RW:  | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA   |          |                 |          |
|      | CA 2590851   | A1   | 20060622 | CA 2005-2590851 | 20051213 |
|      | EP 1828233   | A2   | 20070905 | EP 2005-819949  | 20051213 |
|      | R:   | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU   |          |                 |          |
| PRAI | EP 2004-29768  | A  | 20041216 |                 |          |
|      | WO 2005-EP13370  | W  | 20051213 |                 |          |
| AB   | This invention relates to crystallized human neutrophil elastase and the use of its three-dimensional structure to design modulators for human neutrophil elastase. The crystal structure and the atomic structural coordinates of human neutrophil elastase and inhibitor complexes is disclosed.   |  |          |                 |          |
| IT   | 675103-34-IDP, complexes with elastase<br>RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)<br>(preparation of elastase inhibitor; crystal structure of human neutrophil elastase and uses in drug discovery) |  |          |                 |          |
| RN   | 675103-34-1  | CAPLUS   |          |                 |          |
| CN   | 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester, (4R)- (CA INDEX NAME)   |  |          |                 |          |

Absolute stereochemistry. Rotation (+).

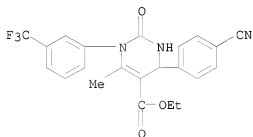


IT 671775-85-2P 671775-95-4P 675103-34-1P  
864228-16-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of elastase inhibitor; crystal structure of human neutrophil  
elastase and uses in drug discovery)

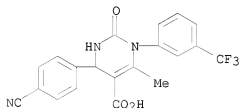
RN 671775-85-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671775-95-4 CAPLUS

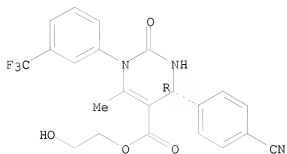
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 675103-34-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-  
2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester, (4R)- (CA  
INDEX NAME)

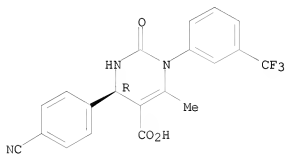
Absolute stereochemistry. Rotation (+).



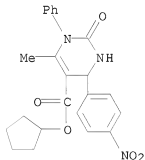
RN 864228-16-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

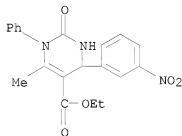


L16 ANSWER 8 OF 30 CAPLUS COPYRIGHT 2008 ACS ON STN  
 AN 2006:499119 CAPLUS  
 DN 145:137267  
 TI Identification and characterization of 4-aryl-3,4-dihydropyrimidin-2(1H)-ones as inhibitors of the fatty acid transporter FATP4  
 AU Blackburn, Christopher; Guan, Bing; Brown, James; Cullis, Courtney; Condon, Stephen M.; Jenkins, Tracy J.; Peluso, Stephane; Ye, Yingchun; Gimeno, Ruth E.; Punreddy, Sandhya; Sun, Ying; Wu, Hui; Hubbard, Brian; Kaushik, Virendar; Tummino, Peter; Sanchetti, Praveen; Yu Sun, Dong; Daniels, Tom; Tozzo, Effie; Balani, Suresh K.; Raman, Prakash  
 CS Medicinal Chemistry, Millennium Pharmaceuticals, Inc., 40 Landsdowne St. Cambridge, MA, 02139, USA  
 SO Bioorganic & Medicinal Chemistry Letters (2006), 16(13), 3504-3509  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PB Elsevier B.V.  
 DT Journal  
 LA English  
 OS CASREACT 145:137267  
 AB Several potent, cell permeable 4-aryl-dihydropyrimidinones have been identified as inhibitors of FATP4. Lipophilic ester substituents at the 5-position and substitution at the para-position (optimal groups being -NO2 and CF3) of the 4-aryl group led to active compds. In two cases racemates were resolved and the S enantiomers shown to have higher potencies.  
 IT 898798-95-3P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (aryldihydropyrimidinones as inhibitors of fatty acid transporter FATP4)  
 RN 898798-95-3 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(4-nitrophenyl)-2-oxo-1-phenyl-, cyclopentyl ester (CA INDEX NAME)

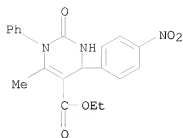


RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 9 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:174835 CAPLUS  
 DN 144:370036  
 TI A convenient synthesis of N(1)-substituted 3,4-dihydropyrimidin-2(1H)-ones  
 by cyclocondensation of  $\alpha$ -chlorobenzyl isocyanates with ethyl  
 N-alkyl(aryl)- $\beta$ -aminocrotonates  
 AU Sukach, Volodymyr A.; Bol'but, Andriy V.; Sinita, Anatoliy D.; Vovk,  
 Mykhaylo V.  
 CS Institute of Organic Chemistry, National Academy of Science of Ukraine,  
 Kiev, 02094, Ukraine  
 SO Synlett (2006), (3), 375-378  
 CODEN: SYNLES ISSN: 0936-5214  
 PB Georg Thieme Verlag  
 DT Journal  
 LA English  
 OS CASREACT 144:370036  
 AB A new convenient approach to the synthesis of N(1)-substituted  
 3,4-dihydropyrimidin-2(1H)-ones was developed using the regioselective  
 cyclocondensation of  $\alpha$ -chlorobenzyl isocyanates with Et  
 N-alkyl(aryl)- $\beta$ -aminocrotonates. A number of N(1)-aryl and N(1)-alkyl  
 substituted Biginelli compds. difficult to obtain by other methods were  
 prepared with high yields.  
 IT 321943-50-4P 331655-46-0P 793693-44-4P  
 881993-43-7P 881993-44-8P 881993-45-9P  
 881993-46-0P 881993-47-1P 881993-48-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of dihydropyrimidinones by regioselective cyclocondensation of  
 $\alpha$ -chlorobenzyl isocyanates with  $\beta$ -aminocrotonates)  
 RN 321943-50-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-  
 2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)

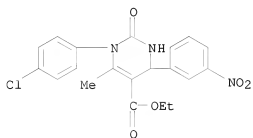


RN 331655-46-0 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(4-nitrophenyl)-  
 2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)



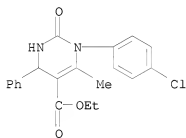
RN 793693-44-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



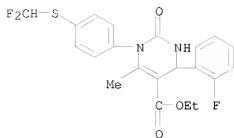
RN 881993-43-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-4-phenyl-, ethyl ester (CA INDEX NAME)



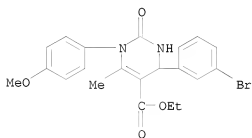
RN 881993-44-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1-[4-[(difluoromethyl)thio]phenyl]-4-(2-fluorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



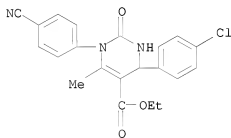
RN 881993-45-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(3-bromophenyl)-1,2,3,4-tetrahydro-1-(4-methoxyphenyl)-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



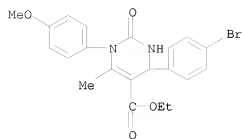
RN 881993-46-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-1-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



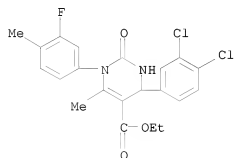
RN 881993-47-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-bromophenyl)-1,2,3,4-tetrahydro-1-(4-methoxyphenyl)-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



RN 881993-48-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(3,4-dichlorophenyl)-1-(3-fluoro-4-methylphenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT



L16 ANSWER 10 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:979623 CAPLUS

DN 143:286441

TI Preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors

IN Gielen-Haertwig, Heike; Albrecht, Barbara; Keldenich, Joerg; Li, Volkhart; Pernerstorfer, Josef; Schlemmer, Karl-Heinz; Telan, Leila

PA Bayer Healthcare A.-G., Germany

SO PCT Int. Appl., 141 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

## Applicant's

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| PI WO 2005082864  | A1   | 20050909 | WO 2005-EP1486  | 20050215 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| CA 2557271  | A1   | 20050909 | CA 2005-2557271 | 20050215 |
| EP 1723121  | A1   | 20061122 | EP 2005-707386  | 20050215 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR   |      |          |                 |          |
| JP 2007524696   | T    | 20070830 | JP 2007-500099  | 20050215 |
| US 20080064704  | A1   | 20080313 | US 2007-590770  | 20070618 |
| EP 2004-4314  | A    | 20040226 |                 |          |
| WO 2005-EP1486  | W    | 20050215 |                 |          |

OS CASREACT 143:286441; MARPAT 143:286441

AB Title compds. I [A = aryl or heteroaryl ring; R1, R2 and R3 independently = H, halo, nitro, etc.; R4 = (un)substituted alkyl, cycloalkylcarbonyl, alkylcarbonyl, etc.; R5 = (un)substituted alkyl; R6 = H, formyl, aminocarbonyl, etc.; R7 = cyano, OH, nitro, etc.; V, W, X, Y and Z independently = CH or N wherein the ring contains either 0, 1 or 2 nitrogen atoms] and their pharmaceutically acceptable salts, are prepared and disclosed as human neutrophil elastase (HNE) inhibitors. Thus, e.g., II was prepared by cyclization of N-[3-(trifluoromethyl)phenyl]urea and 4-cyanobenzaldehyde with ethyl-3-oxobutanoate and subsequent reduction using LAH. The activity of I against HNE was evaluated in an in vitro enzyme assay utilizing a fluorogenic peptide substrate and it was revealed that selected compds. of the invention possessed IC50 values in the range of 5 up to 1000 nM. I as inhibitors of human neutrophil elastase should prove useful in the treatment of chronic obstructive pulmonary diseases, acute coronary syndrome, acute myocardial infarction and heart failure development. Pharmaceutical compns. comprising I are disclosed.

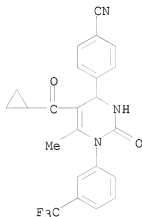
IT 864250-62-4P

RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

(preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 864250-62-4 CAPLUS

CN Benzonitrile, 4-[5-(cyclopropylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



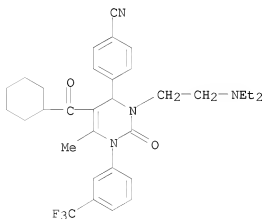
IT 864251-32-1P 864251-33-2P

RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 864251-32-1 CAPLUS

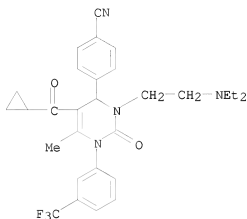
CN Benzonitrile, 4-[5-(cyclohexylcarbonyl)-3-[2-(diethylamino)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 864251-33-2 CAPLUS

CN Benzonitrile, 4-[5-(cyclopropylcarbonyl)-3-[2-(diethylamino)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]-

(CA INDEX NAME)



IT 864250-63-5P

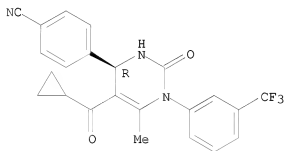
RL: PAC (Pharmacological activity); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 864250-63-5 CAPLUS

CN Benzonitrile, 4-[(4R)-5-(cyclopropylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



IT 864251-36-5P 864251-37-6P

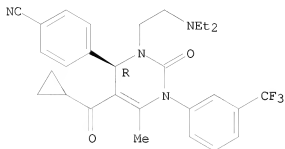
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 864251-36-5 CAPLUS

CN Benzonitrile, 4-[(4R)-5-(cyclopropylcarbonyl)-3-[2-(diethylamino)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

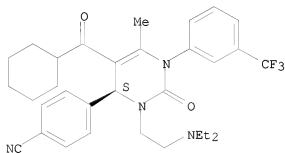
Absolute stereochemistry.



RN 864251-37-6 CAPLUS

CN Benzonitrile, 4-[(4S)-5-(cyclohexylcarbonyl)-3-[2-(diethylamino)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry.

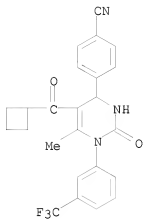


IT 864250-60-2P 864250-61-3P 864250-64-6P  
 864250-65-7P 864250-66-8P 864250-67-9P  
 864250-68-0P 864250-71-5P 864250-72-6P  
 864250-73-7P 864250-75-9P 864250-77-1P  
 864250-78-2P 864250-82-8P 864250-83-9P  
 864250-86-2P 864250-87-3P 864250-94-2P  
 864250-95-3P 864250-97-5P 864250-98-6P  
 864250-99-7P 864251-05-8P 864251-08-1P  
 864251-09-2P 864251-10-5P 864251-21-8P  
 864251-22-9P 864251-24-1P 864251-26-3P  
 864251-27-4P 864251-29-6P 864251-31-0P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)

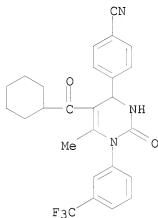
RN 864250-60-2 CAPLUS

CN Benzonitrile, 4-[5-(cyclobutylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



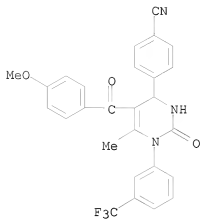
RN 864250-61-3 CAPLUS

CN Benzonitrile, 4-[5-(cyclohexylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



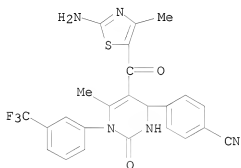
RN 864250-64-6 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-5-(4-methoxybenzoyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



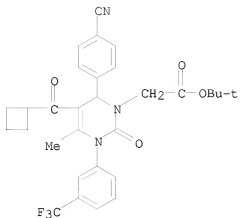
RN 864250-65-7 CAPLUS

CN Benzonitrile, 4-[5-[(2-amino-4-methyl-5-thiazolyl)carbonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]-  
(CA INDEX NAME)



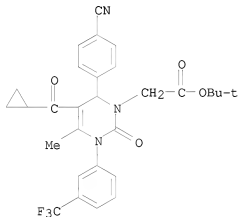
RN 864250-66-8 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclobutylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester  
(CA INDEX NAME)



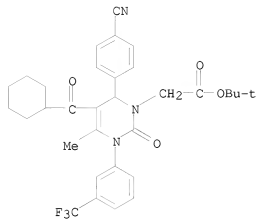
RN 864250-67-9 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



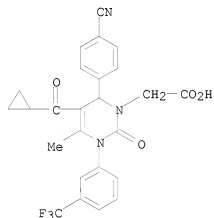
RN 864250-68-0 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864250-71-5 CAPLUS

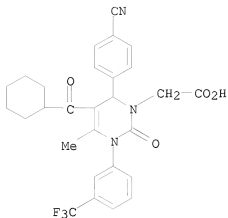
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864250-72-6 CAPLUS

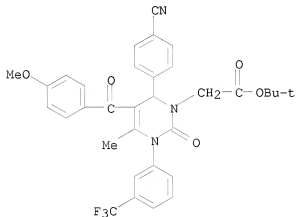
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)





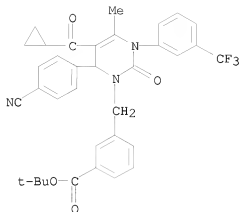
RN 864250-73-7 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-5-(4-methoxybenzoyl)-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



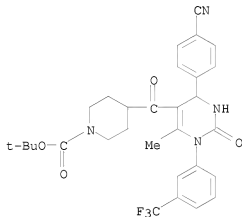
RN 864250-75-9 CAPLUS

CN Benzoic acid, 3-[[6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



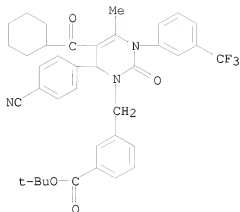
RN 864250-77-1 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



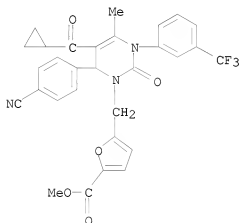
RN 864250-78-2 CAPLUS

CN Benzoic acid, 3-[[6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



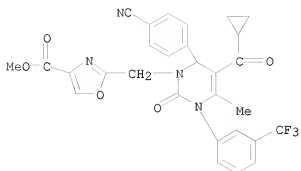
RN 864250-82-8 CAPLUS

CN 2-Furancarboxylic acid, 5-[[6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



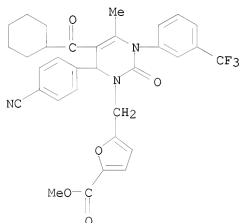
RN 864250-83-9 CAPLUS

CN 4-Oxazolecaboxylic acid, 2-[[6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



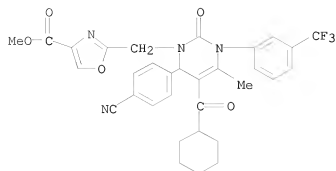
RN 864250-86-2 CAPLUS

CN 2-Furancarboxylic acid, 5-[[6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



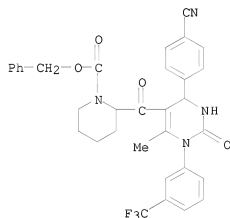
RN 864250-87-3 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



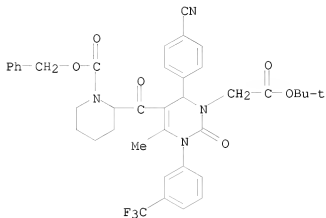
RN 864250-94-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 2-[[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



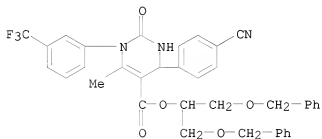
RN 864250-95-3 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[1-[(phenylmethoxy)carbonyl]-2-piperidinyl]carbonyl]-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864250-97-5 CAPLUS

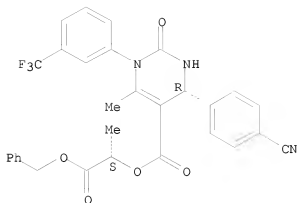
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(phenylmethoxy)-1-[(phenylmethoxy)methyl]ethyl ester (CA INDEX NAME)



RN 864250-98-6 CAPLUS

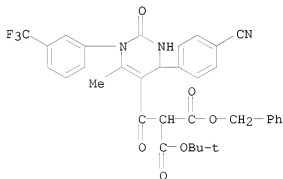
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1S)-1-methyl-2-oxo-2-(phenylmethoxy)ethyl ester, (4R)-rel- (CA INDEX NAME)

Relative stereochemistry.



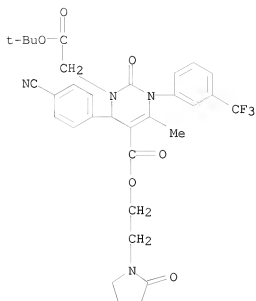
RN 864250-99-7 CAPLUS

CN Propanedioic acid, [[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]-, 1,1-dimethylethyl phenylmethyl ester (9CI) (CA INDEX NAME)



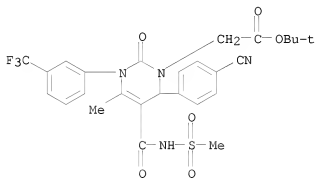
RN 864251-05-8 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[2-(2-oxo-1-pyrrolidinyl)ethoxy]carbonyl]-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864251-08-1 CAPLUS

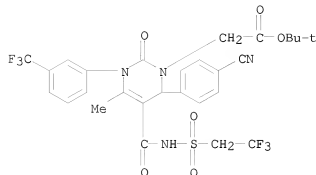
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-[[[(methylsulfonyl)amino]carbonyl]-2-oxo-3-[3-(trifluoromethyl)phenyl]]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864251-09-2 CAPLUS

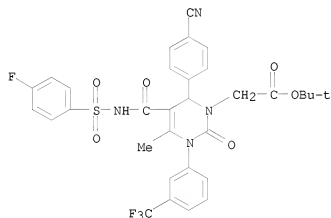
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[[(2,2,2-trifluoroethyl)sulfonyl]amino]carbonyl]-3-[3-(trifluoromethyl)phenyl]]-, 1,1-dimethylethyl ester (CA INDEX NAME)





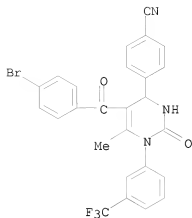
RN 864251-10-5 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



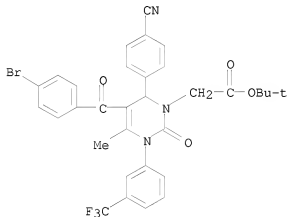
RN 864251-21-8 CAPLUS

CN Benzonitrile, 4-[5-(4-bromobenzoyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



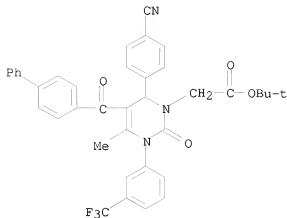
RN 864251-22-9 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-(4-bromobenzoyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



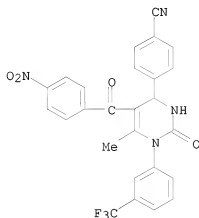
RN 864251-24-1 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-([1,1'-biphenyl]-4-ylcarbonyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



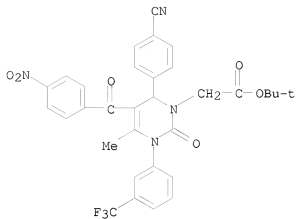
RN 864251-26-3 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(4-nitrobenzoyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 864251-27-4 CAPLUS

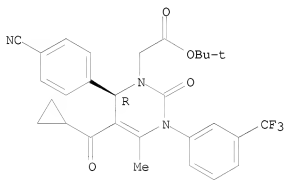
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(4-nitrobenzoyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864251-29-6 CAPLUS

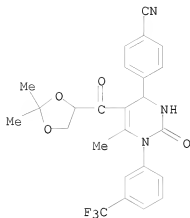
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 864251-31-0 CAPLUS

CN Benzonitrile, 4-[5-[(2,2-dimethyl-1,3-dioxolan-4-yl)carbonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



IT 864250-45-3P 864250-46-4P 864250-47-5P  
 864250-48-6P 864250-49-7P 864250-50-0P  
 864250-51-1P 864250-52-2P 864250-53-3P  
 864250-54-4P 864250-55-5P 864250-56-6P  
 864250-57-7P 864250-58-8P 864250-59-9P  
 864250-69-1P 864250-70-4P 864250-74-8P  
 864250-76-0P 864250-79-3P 864250-80-6P  
 864250-84-0P 864250-85-1P 864250-88-4P  
 864250-89-5P 864250-90-8P 864250-91-9P  
 864250-92-0P 864250-93-1P 864250-96-4P  
 864251-00-3P 864251-01-4P 864251-02-5P  
 864251-03-6P 864251-04-7P 864251-06-9P  
 864251-07-0P 864251-11-6P 864251-12-7P  
 864251-13-8P 864251-14-9P 864251-15-0P  
 864251-16-1P 864251-23-0P 864251-25-2P  
 864251-28-5P 864251-30-9P 864251-34-3P  
 864251-35-4P

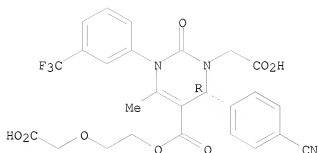
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase  
 inhibitors)

RN 864250-45-3 CAPLUS

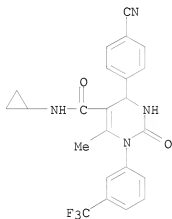
CN 1(2H)-Pyrimidineacetic acid, 5-[[2-(carboxymethoxy)ethoxy]carbonyl]-6-(4-  
 cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-,  
 (6R)- (CA INDEX NAME)

Absolute stereochemistry.



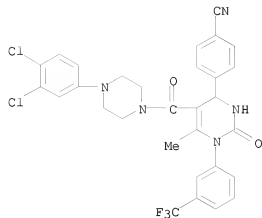
RN 864250-46-4 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N-cyclopropyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



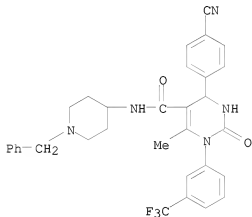
RN 864250-47-5 CAPLUS

CN Benzonitrile, 4-[5-[[4-(3,4-dichlorophenyl)-1-piperazinyl]carbonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



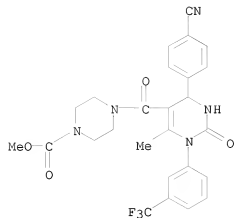
RN 864250-48-6 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-N-[1-(phenylmethyl)-4-piperidinyl]-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



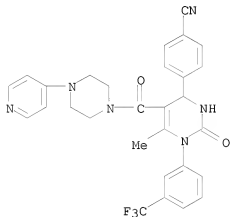
RN 864250-49-7 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]-, methyl ester (CA INDEX NAME)



RN 864250-50-0 CAPLUS

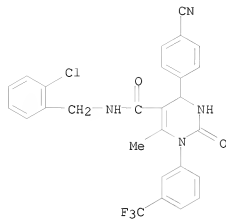
CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-2-oxo-5-[[4-(4-pyridinyl)-1-piperazinyl]carbonyl]-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 864250-51-1 CAPLUS

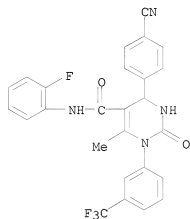
CN 5-Pyrimidinecarboxamide, N-[(2-chlorophenyl)methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)





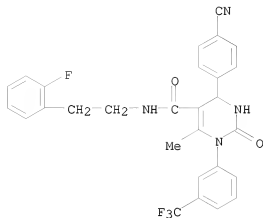
RN 864250-52-2 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N-(2-fluorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



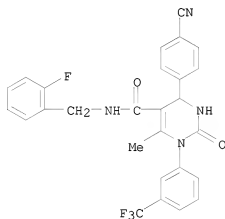
RN 864250-53-3 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N-[2-(2-fluorophenyl)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



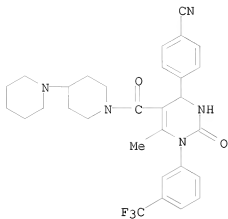
RN 864250-54-4 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N-[(2-fluorophenyl)methyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



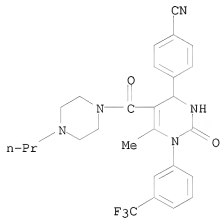
RN 864250-55-5 CAPLUS

CN Benzonitrile, 4-[5-([1,4'-bipiperidin]-1'-ylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



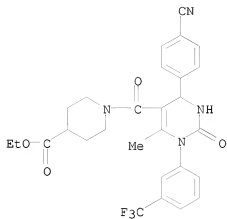
RN 864250-56-6 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-2-oxo-5-[(4-propyl-1-piperazinyl)carbonyl]-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 864250-57-7 CAPLUS

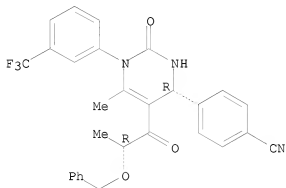
CN 4-Piperidinecarboxylic acid, 1-[[4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-5-pyrimidinyl]carbonyl]-, ethyl ester (CA INDEX NAME)



RN 864250-58-8 CAPLUS

CN Benzonitrile, 4-[(4R)-1,2,3,4-tetrahydro-6-methyl-2-oxo-5-[(2R)-1-oxo-2-(phenylmethoxy)propyl]-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]-, rel- (CA INDEX NAME)

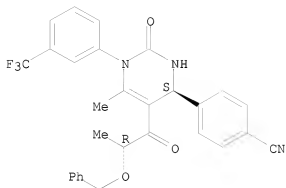
Relative stereochemistry.



RN 864250-59-9 CAPLUS

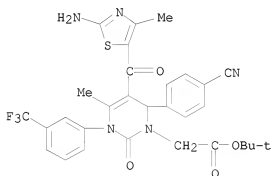
CN Benzonitrile, 4-[(4R)-1,2,3,4-tetrahydro-6-methyl-2-oxo-5-[(2S)-1-oxo-2-(phenylmethoxy)propyl]-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



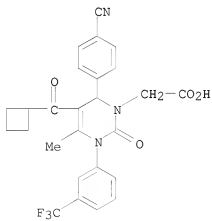
RN 864250-69-1 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-[(2-amino-4-methyl-5-thiazolyl)carbonyl]-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



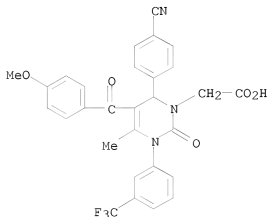
RN 864250-70-4 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclobutylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



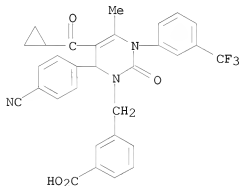
RN 864250-74-8 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-5-(4-methoxybenzoyl)-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



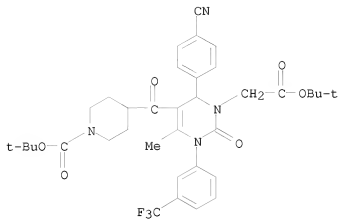
RN 864250-76-0 CAPLUS

CN Benzoic acid, 3-[[6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



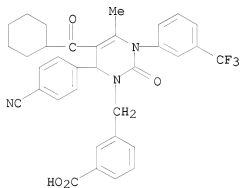
RN 864250-79-3 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-[[[1-(1,1-dimethylethoxy)carbonyl]-4-piperidinyl]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



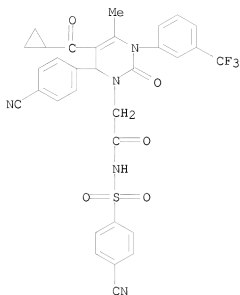
RN 864250-80-6 CAPLUS

CN Benzoic acid, 3-[[6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



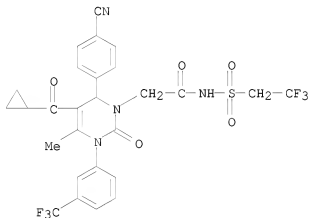
RN 864250-84-0 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-N-[(4-cyanophenyl)sulfonyl]-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864250-85-1 CAPLUS

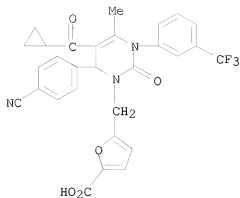
CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-N-[(2,2,2-trifluoroethyl)sulfonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864250-88-4 CAPLUS

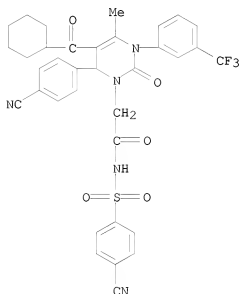
CN 2-Furancarboxylic acid, 5-[[6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)





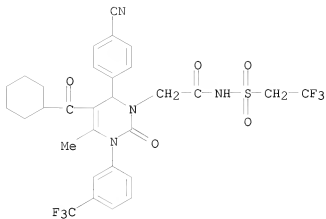
RN 864250-89-5 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-N-[(4-cyanophenyl)sulfonyl]-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



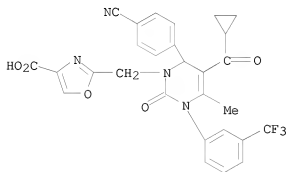
RN 864250-90-8 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-N-[(2,2,2-trifluoroethyl)sulfonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



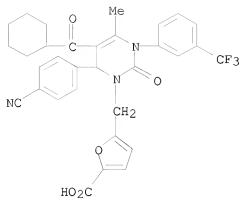
RN 864250-91-9 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



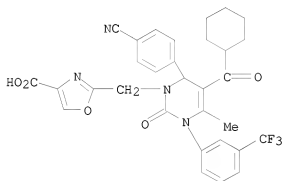
RN 864250-92-0 CAPLUS

CN 2-Furancarboxylic acid, 5-[[6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



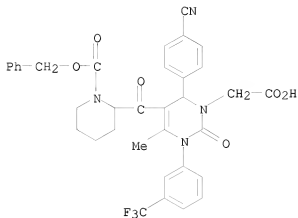
RN 864250-93-1 CAPLUS

CN 4-Oxazolecaboxylic acid, 2-[[6-(4-cyanophenyl)-5-(cyclohexylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



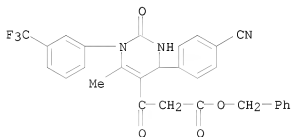
RN 864250-96-4 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[1-[(phenylmethoxy)carbonyl]-2-piperidinyl]carbonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864251-00-3 CAPLUS

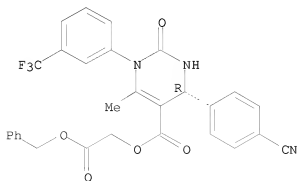
CN 5-Pyrimidinepropanoic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-β,2-dioxo-1-[3-(trifluoromethyl)phenyl]-, phenylmethyl ester (CA INDEX NAME)



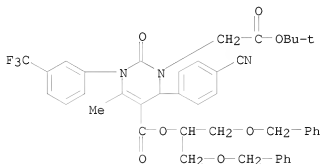
RN 864251-01-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-oxo-2-(phenylmethoxy)ethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

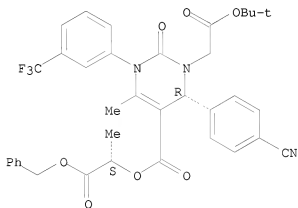


RN 864251-02-5 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[2-(phenylmethoxy)-1-[(phenylmethoxy)methyl]ethoxy]carbonyl]-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

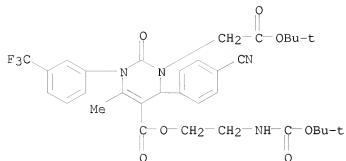


RN 864251-03-6 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-[[[(1S)-1-methyl-2-oxo-2-(phenylmethoxy)ethoxy]carbonyl]-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester, (6R)-rel- (CA INDEX NAME)

Relative stereochemistry.

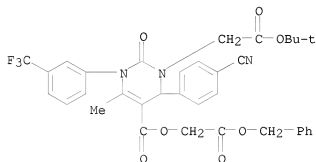


RN 864251-04-7 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-[[2-[[[(1,1-dimethylethoxy)carbonyl]amino]ethoxy]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



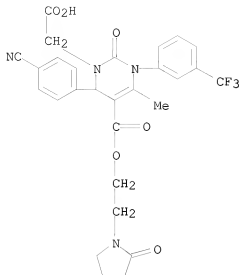
RN 864251-06-9 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[2-oxo-2-(phenylmethoxy)ethoxy]carbonyl]-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



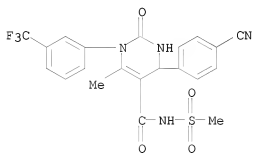
RN 864251-07-0 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[2-(2-oxo-1-pyrrolidinyl)ethoxy]carbonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



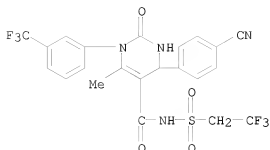
RN 864251-11-6 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-N-  
(methylsulfonyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



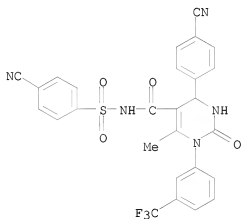
RN 864251-12-7 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-  
oxo-N-[(2,2,2-trifluoroethyl)sulfonyl]-1-[3-(trifluoromethyl)phenyl]- (CA  
INDEX NAME)



RN 864251-13-8 CAPLUS

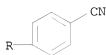
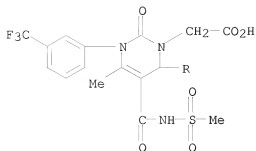
CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N-[(4-cyanophenyl)sulfonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864251-14-9 CAPLUS

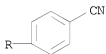
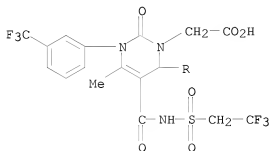
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-[(methanesulfonyl)amino]carbonyl]-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)





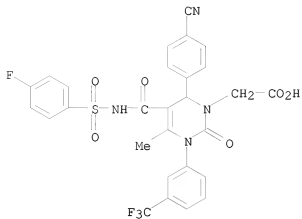
RN 864251-15-0 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[[[(2,2,2-trifluoroethyl)sulfonyl]amino]carbonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



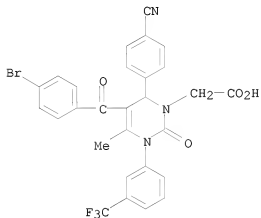
RN 864251-16-1 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



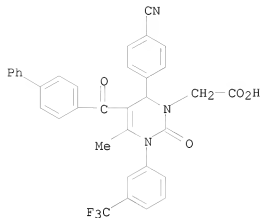
RN 864251-23-0 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-(4-bromobenzoyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



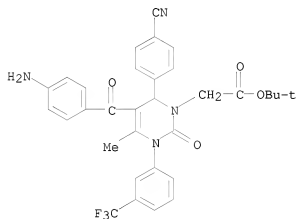
RN 864251-25-2 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-([1,1'-biphenyl]-4-ylcarbonyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864251-28-5 CAPLUS

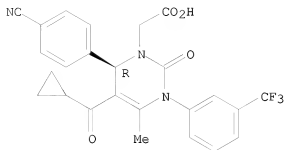
CN 1(2H)-Pyrimidineacetic acid, 5-(4-aminobenzoyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864251-30-9 CAPLUS

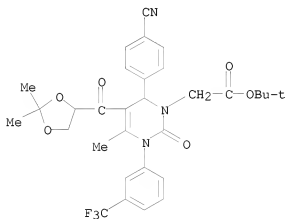
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(cyclopropylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



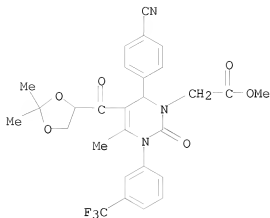
RN 864251-34-3 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-[(2,2-dimethyl-1,3-dioxolan-4-yl)carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

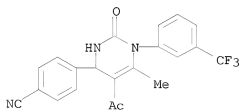


RN 864251-35-4 CAPLUS

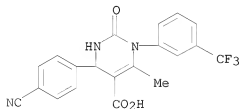
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-[(2,2-dimethyl-1,3-dioxolan-4-yl)carbonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)



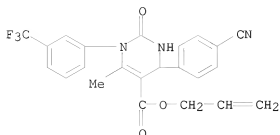
IT 671775-86-3P 671775-95-4P 864151-32-6P  
 RL: PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)  
 (preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)  
 RN 671775-86-3 CAPLUS  
 CN Benzonitrile, 4-[5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671775-95-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

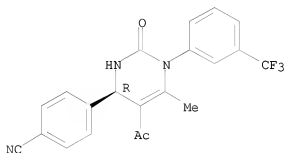


RN 864151-32-6 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



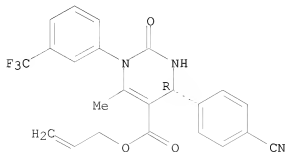
IT 671776-55-9P 864151-33-7P 864228-16-0P  
 RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)  
 RN 671776-55-9 CAPLUS  
 CN Benzonitrile, 4-[(4R)-5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 864151-33-7 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester, (4R)- (CA INDEX NAME)

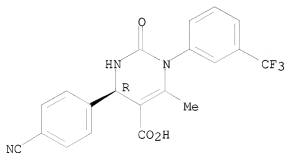
Absolute stereochemistry. Rotation (+).



RN 864228-16-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 671775-85-2P 675103-34-1P 864151-39-3P

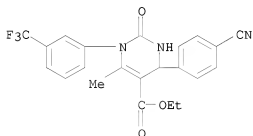
864251-40-1P 864251-41-2P 864251-42-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of diaryl-dihydropyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 671775-85-2 CAPLUS

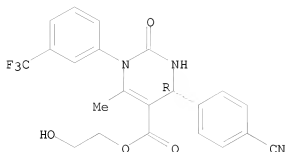
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 675103-34-1 CAPLUS

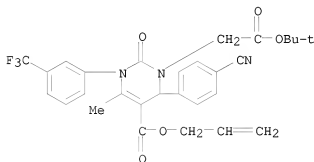
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



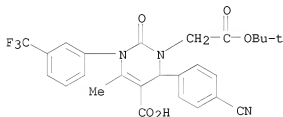
RN 864151-39-3 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864251-40-1 CAPLUS

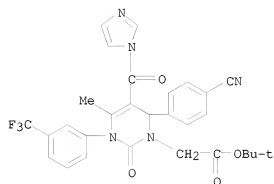
CN 1(2H)-Pyrimidineacetic acid, 5-carboxy-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1-(1,1-dimethylethyl) ester (CA INDEX NAME)



RN 864251-41-2 CAPLUS

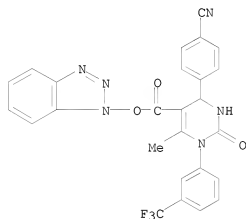
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-5-(1H-imidazol-1-ylcarbonyl)-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)





RN 864251-42-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 1H-benzotriazol-1-yl ester (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 11 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:979622 CAPLUS

DN 143:286440

TI Preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil elastase inhibitors

IN Gielen-Haertwig, Heike; Albrecht, Barbara; Keldenich, Joerg; Li, Volkhart; Pernerstorfer, Josef; Schlemmer, Karl-Heinz; Telan, Leila

PA Bayer Healthcare A.-G., Germany

SO PCT Int. Appl., 119 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

common inventor

not prior (same effective filing date)

| PATENT NO.        | KIND   | DATE     | APPLICATION NO. | DATE     |
|-------------------|--|----------|-----------------|----------|
| PI WO 2005082863  | A2   | 20050909 | WO 2005-EP1487  | 20050215 |
| WO 2005082863     | A3   | 20051222 |                 |          |
| W:                | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                 |          |
| RW:               | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
| CA 2557272        | A1   | 20050909 | CA 2005-2557272 | 20050215 |
| EP 1730121        | A2   | 20061213 | EP 2005-707387  | 20050215 |
| R:                | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR   |          |                 |          |
| JP 2007523931     | T  | 20070823 | JP 2007-500100  | 20050215 |
| US 20080021053    | A1   | 20080124 | US 2007-590786  | 20070720 |
| PRAI EP 2004-4315 | A  | 20040226 |                 |          |
| WO 2005-EP1487    | W  | 20050215 |                 |          |

OS MARPAT 143:286440

AB Title compds. I [A = heteroaryl ring; R1-3 = H, halo, NO2, etc.; R4 = CF3CO, alkylcarbonyl, etc.; R5 = alkyl, alkoxy, etc.; R6 = T-U; T = alkanediyl, akenediyl; U = aryl, heteroaryl, etc.; R7 = halo, NO2, CN, etc.; Y1-5 = independently CH, N wherein the ring contains 0-2 N atoms] and analogs are prepared For instance, II is prepared in 6 steps from 2-bromo-5-methylpyridine, allyl 3-oxobutanoate and N-[3-(trifluoromethyl)phenyl]urea. II has an IC50 = 70 nM for human neutrophil elastase (HNE). I are useful for the treatment of chronic obstructive pulmonary diseases, acute coronary syndrome, acute myocardial infarction and heart failure development.

IT 864150-42-5P 864150-44-7P 864150-46-9P  
 864150-48-1P 864150-50-5P 864150-52-7P  
 864150-53-8P 864150-54-9P 864150-55-0P  
 864150-56-1P 864150-57-2P 864150-58-3P  
 864150-59-4P 864150-60-7P 864150-61-8P  
 864150-62-9P 864150-63-0P 864150-64-1P  
 864150-81-2P 864150-82-3P 864150-83-4P  
 864150-86-7P 864150-89-0P 864150-93-6P  
 864150-95-8P 864150-97-0P 864151-03-1P  
 864151-05-3P 864151-06-4P 864151-07-5P

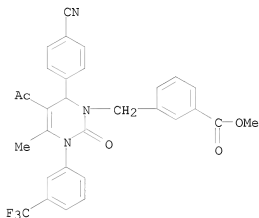
864151-12-2P 864151-29-1P 864151-48-4P

864151-50-8P 864151-51-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 864150-42-5 CAPLUS

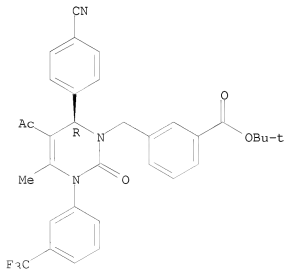
CN Benzoic acid, 3-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



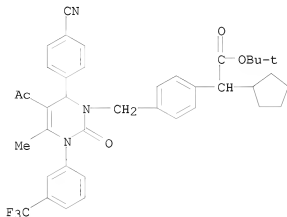
RN 864150-44-7 CAPLUS

CN Benzoic acid, 3-[[6R)-5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.

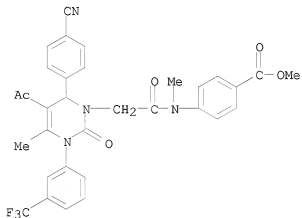


RN 864150-46-9 CAPLUS

CN Benzenecetic acid, 4-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- $\alpha$ -cyclopentyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

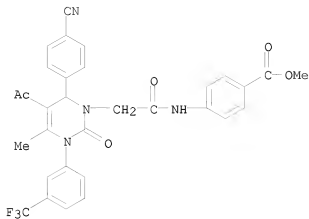
RN 864150-48-1 CAPLUS

CN Benzoic acid, 4-[[2-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]methylamino]-, methyl ester (CA INDEX NAME)



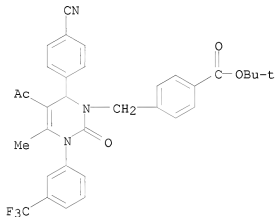
RN 864150-50-5 CAPLUS

CN Benzoic acid, 4-[[2-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]amino]-, methyl ester (CA INDEX NAME)



RN 864150-52-7 CAPLUS

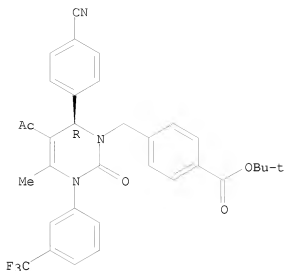
CN Benzoic acid, 4-[[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864150-53-8 CAPLUS

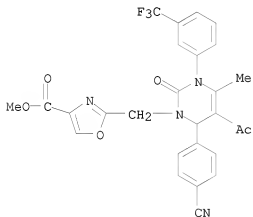
CN Benzoic acid, 4-[[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 864150-54-9 CAPLUS

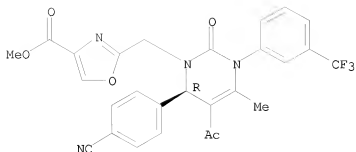
CN 4-Oxazolecarboxylic acid, 2-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



RN 864150-55-0 CAPLUS

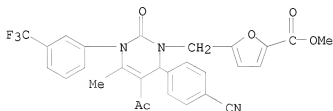
CN 4-Oxazolecarboxylic acid, 2-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 864150-56-1 CAPLUS

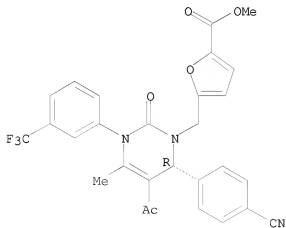
CN 2-Furancarboxylic acid, 5-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



RN 864150-57-2 CAPLUS

CN 2-Furancarboxylic acid, 5-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)

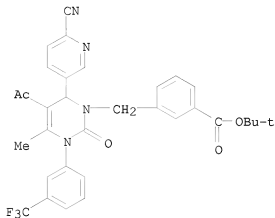
Absolute stereochemistry.



RN 864150-58-3 CAPLUS

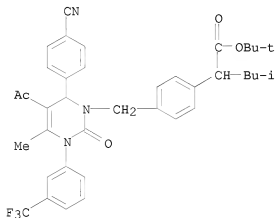
CN Benzoic acid, 3-[[5-acetyl-6-(6-cyano-3-pyridinyl)-3,6-dihydro-4-methyl-2-

oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinylmethyl]-,  
1,1-dimethylethyl ester (CA INDEX NAME)



RN 864150-59-4 CAPLUS

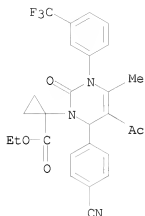
CN Benzeneacetic acid, 4-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinylmethyl]-α-(2-methylpropyl)-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864150-60-7 CAPLUS

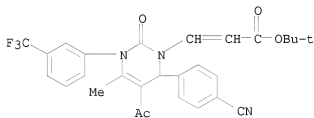
CN Cyclopropanecarboxylic acid, 1-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]-, ethyl ester (CA INDEX NAME)





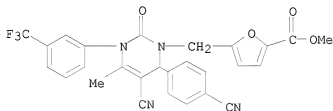
RN 864150-61-8 CAPLUS

CN 2-Propenoic acid, 3-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]-1(2H)-pyrimidinyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



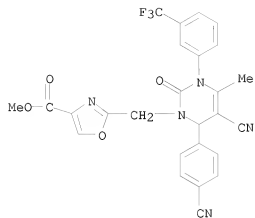
RN 864150-62-9 CAPLUS

CN 2-Furancarboxylic acid, 5-[5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



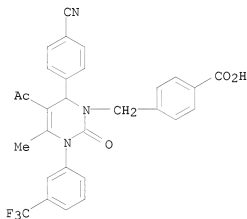
RN 864150-63-0 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



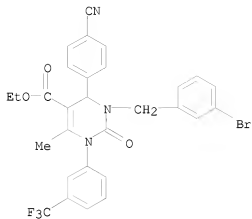
RN 864150-64-1 CAPLUS

CN Benzoic acid, 4-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



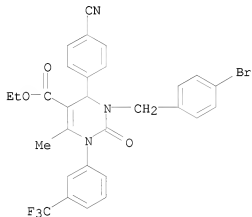
RN 864150-81-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[(3-bromophenyl)methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 864150-82-3 CAPLUS

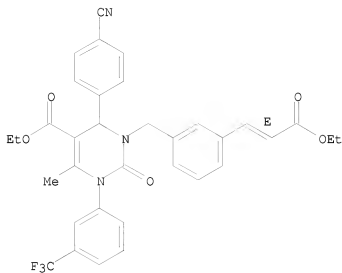
CN 5-Pyrimidinecarboxylic acid, 3-[(4-bromophenyl)methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 864150-83-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[[3-[(1E)-3-ethoxy-3-oxo-1-propen-1-yl]phenyl]methyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

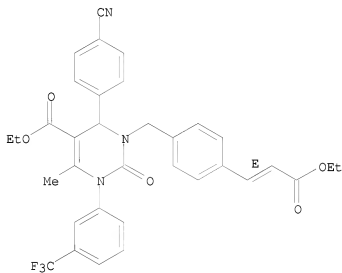
Double bond geometry as shown.



RN 864150-86-7 CAPLUS

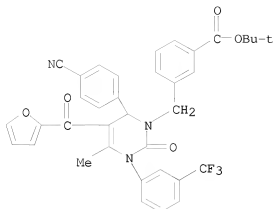
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[[4-[(1E)-3-ethoxy-3-oxo-1-propen-1-yl]phenyl]methyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

Double bond geometry as shown.



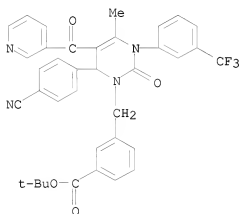
RN 864150-89-0 CAPLUS

CN Benzoic acid, 3-[[6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



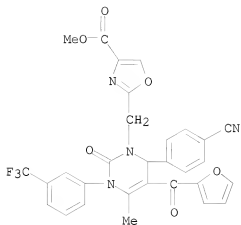
RN 864150-93-6 CAPLUS

CN Benzoic acid, 3-[[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(3-pyridinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl)methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



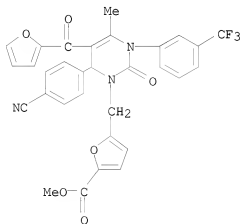
RN 864150-95-8 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl)methyl]-, methyl ester (CA INDEX NAME)



RN 864150-97-0 CAPLUS

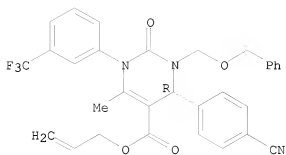
CN 2-Furancarboxylic acid, 5-[[6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



RN 864151-03-1 CAPLUS

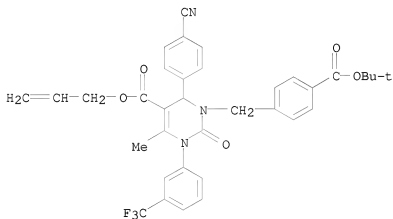
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-[(phenylmethoxy)methyl]-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



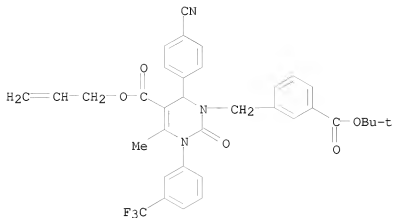
RN 864151-05-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[[4-[(1,1-dimethylethoxy)carbonyl]phenyl]methyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



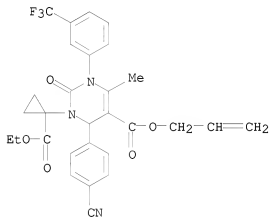
RN 864151-06-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[[3-[(1,1-dimethylethoxy)carbonyl]phenyl]methyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



RN 864151-07-5 CAPLUS

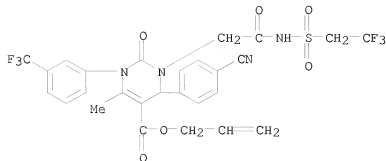
CN 5(2H)-Pyrimidinecarboxylic acid, 6-(4-cyanophenyl)-1-[1-(ethoxycarbonyl)cyclopropyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



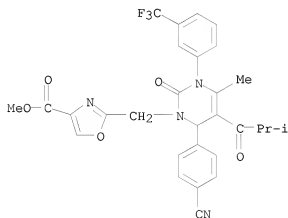
RN 864151-12-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-[2-oxo-2-[[[(2,2,2-trifluoroethyl)sulfonyl]amino]ethyl]-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)

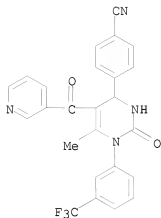




RN 864151-29-1 CAPLUS  
 CN 4-Oxazolecarboxylic acid, 2-[[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)

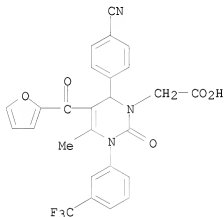


RN 864151-48-4 CAPLUS  
 CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-2-oxo-5-(3-pyridinylcarbonyl)-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



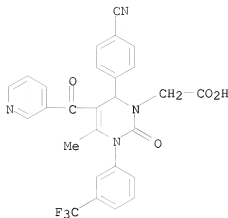
RN 864151-50-8 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-51-9 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(3-pyridinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



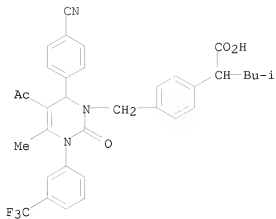
IT 864150-65-2P 864150-66-3P 864150-67-4P  
 864150-68-5P 864150-69-6P 864150-70-9P  
 864150-71-0P 864150-72-1P 864150-73-2P  
 864150-74-3P 864150-75-4P 864150-76-5P  
 864150-77-6P 864150-78-7P 864150-79-8P  
 864150-80-1P 864150-84-5P 864150-85-6P  
 864150-87-8P 864150-88-9P 864150-90-3P  
 864150-91-4P 864150-92-5P 864150-94-7P  
 864150-96-9P 864150-98-1P 864150-99-2P  
 864151-00-8P 864151-01-9P 864151-02-0P  
 864151-04-2P 864151-08-6P 864151-09-7P  
 864151-10-0P 864151-11-1P 864151-13-3P  
 864151-14-4P 864151-15-5P 864151-16-6P  
 864151-17-7P 864151-18-8P 864151-19-9P  
 864151-20-2P 864151-21-3P 864151-22-4P  
 864151-23-5P 864151-24-6P 864151-25-7P  
 864151-26-8P 864151-27-9P 864151-28-0P  
 864151-30-4P 864151-31-5P 864151-47-3P  
 864151-49-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil  
 elastase inhibitors)

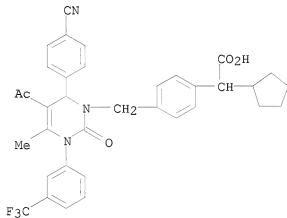
RN 864150-65-2 CAPLUS

CN Benzeneacetic acid, 4-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-  
 oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- $\alpha$ -(2-  
 methylpropyl)- (CA INDEX NAME)



RN 864150-66-3 CAPLUS

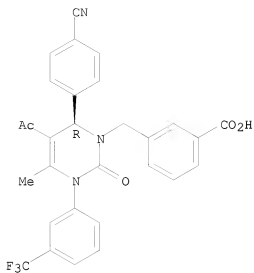
CN Benzoic acid, 4-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-α-cyclopentyl- (CA INDEX NAME)



RN 864150-67-4 CAPLUS

CN Benzoic acid, 3-[[[(6R)-5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

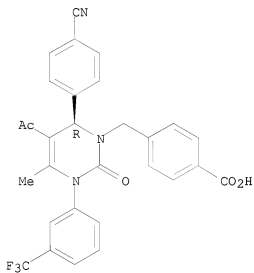
Absolute stereochemistry.



RN 864150-68-5 CAPLUS

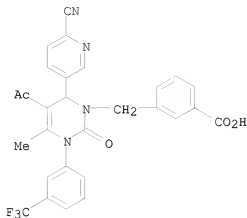
CN Benzoic acid, 4-[[[(6R)-5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



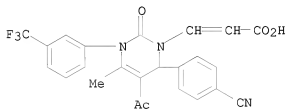
RN 864150-69-6 CAPLUS

CN Benzoic acid, 3-[[[5-acetyl-6-(6-cyano-3-pyridinyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



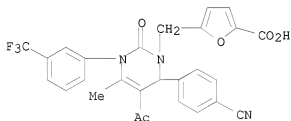
RN 864150-70-9 CAPLUS

CN 2-Propenoic acid, 3-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]- (CA INDEX NAME)



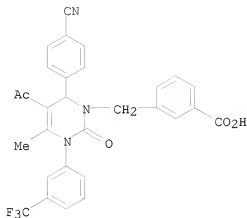
RN 864150-71-0 CAPLUS

CN 2-Furancarboxylic acid, 5-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



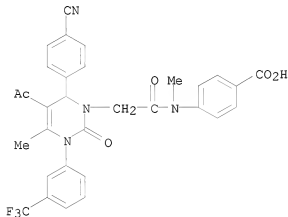
RN 864150-72-1 CAPLUS

CN Benzoic acid, 3-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



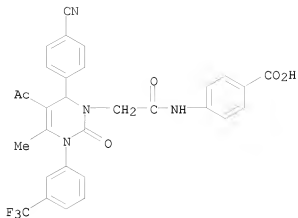
RN 864150-73-2 CAPLUS

CN Benzoic acid, 4-[[2-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]methylamino]- (CA INDEX NAME)



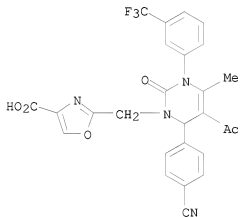
RN 864150-74-3 CAPLUS

CN Benzoic acid, 4-[[2-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]acetyl]methylamino]- (CA INDEX NAME)



RN 864150-75-4 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

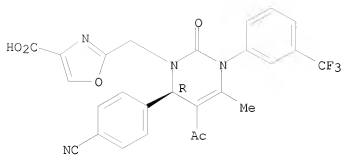


RN 864150-76-5 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

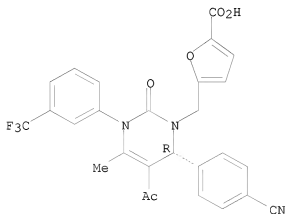




RN 864150-77-6 CAPLUS

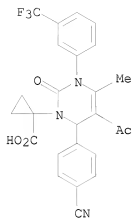
CN 2-Furancarboxylic acid, 5-[[ (6R)-5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 864150-78-7 CAPLUS

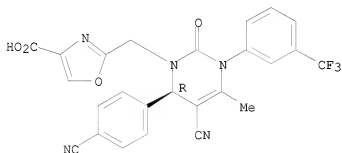
CN Cyclopropanecarboxylic acid, 1-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]- (CA INDEX NAME)



RN 864150-79-8 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[{(6R)-5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

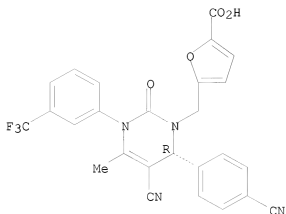
Absolute stereochemistry.



RN 864150-80-1 CAPLUS

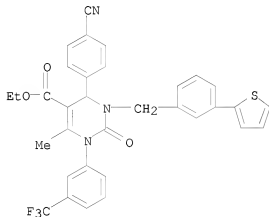
CN 2-Furancarboxylic acid, 5-[[{(6R)-5-cyano-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 864150-84-5 CAPLUS

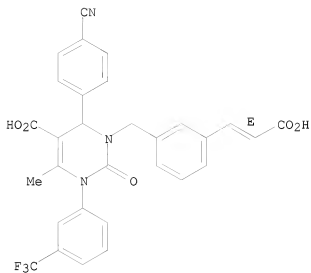
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-[[3-(2-thienyl)phenyl]methyl]-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 864150-85-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[[3-[(1E)-2-carboxyethenyl]phenyl]methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

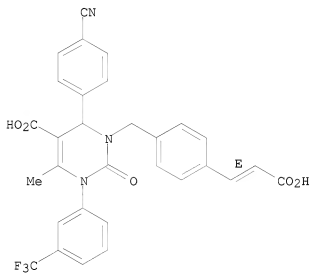
Double bond geometry as shown.



RN 864150-87-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[[4-[(1E)-2-carboxyethenyl]phenyl]methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

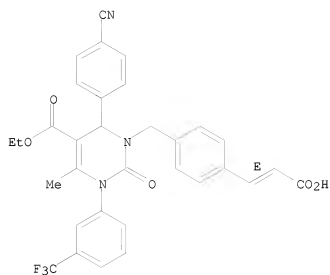
Double bond geometry as shown.



RN 864150-88-9 CAPLUS

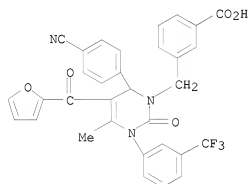
CN 5-Pyrimidinecarboxylic acid, 3-[[4-[(1E)-2-carboxyethenyl]phenyl]methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5-ethyl ester (CA INDEX NAME)

Double bond geometry as shown.



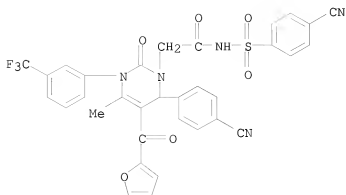
RN 864150-90-3 CAPLUS

CN Benzoic acid, 3-[[6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



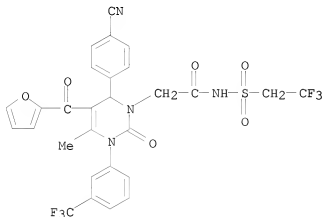
RN 864150-91-4 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-N-[(4-cyanophenyl)sulfonyl]-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



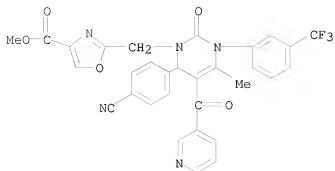
RN 864150-92-5 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-N-[(2,2,2-trifluoroethyl)sulfonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



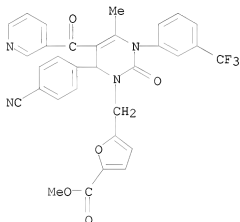
RN 864150-94-7 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(3-pyridinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



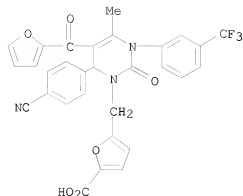
RN 864150-96-9 CAPLUS

CN 2-Furancarboxylic acid, 5-[[[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(3-pyridinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]-, methyl ester (CA INDEX NAME)



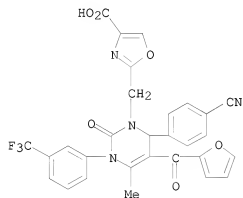
RN 864150-98-1 CAPLUS

CN 2-Furancarboxylic acid, 5-[[[6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



RN 864150-99-2 CAPLUS

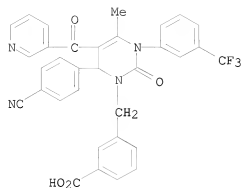
CN 4-Oxazolecarboxylic acid, 2-[[6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



RN 864151-00-8 CAPLUS

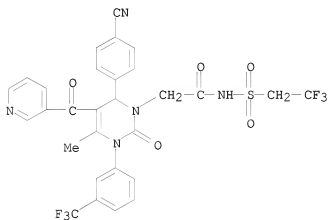
CN Benzoic acid, 3-[[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(3-pyridinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)





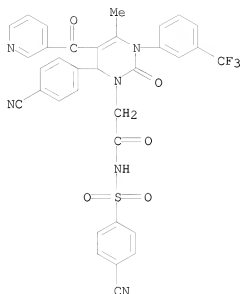
RN 864151-01-9 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(3-pyridinylcarbonyl)-N-[(2,2,2-trifluoroethyl)sulfonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-02-0 CAPLUS

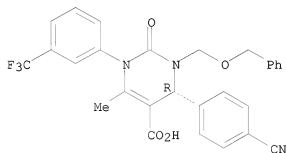
CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-N-[(4-cyanophenyl)sulfonyl]-3,6-dihydro-4-methyl-2-oxo-5-(3-pyridinylcarbonyl)-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-04-2 CAPLUS

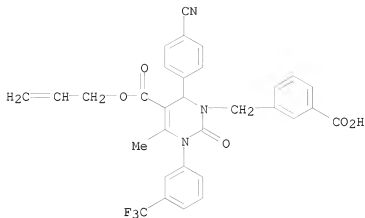
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-[(phenylmethoxy)methyl]-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



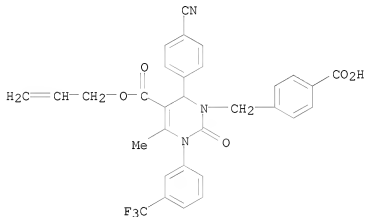
RN 864151-08-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[(3-carboxyphenyl)methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5-(2-propen-1-yl) ester (CA INDEX NAME)



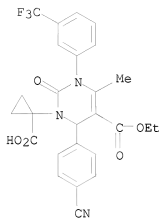
RN 864151-09-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[(4-carboxyphenyl)methyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5-(2-propen-1-yl) ester (CA INDEX NAME)



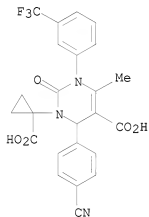
RN 864151-10-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(1-carboxycyclopropyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5-ethyl ester (9CI) (CA INDEX NAME)



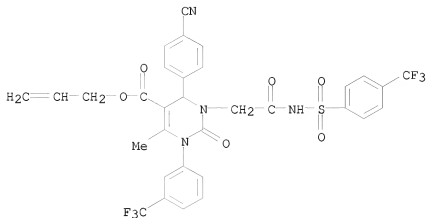
RN 864151-11-1 CAPLUS

CN 5(2H)-Pyrimidinecarboxylic acid, 1-(1-carboxycyclopropyl)-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



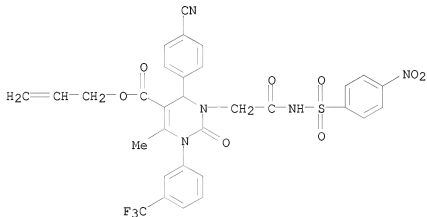
RN 864151-13-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-[2-oxo-2-[[[4-(trifluoromethyl)phenyl]sulfonyl]amino]ethyl]-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



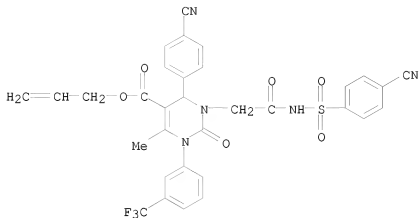
RN 864151-14-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[2-[[[(4-nitrophenyl)sulfonyl]amino]-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



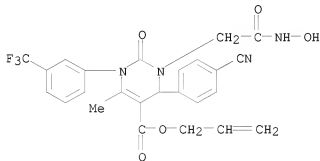
RN 864151-15-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[[(4-cyanophenyl)sulfonyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



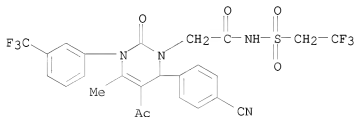
RN 864151-16-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-[2-(hydroxyamino)-2-oxoethyl]-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



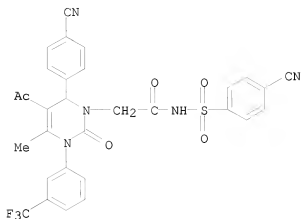
RN 864151-17-7 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-N-[(2,2,2-trifluoroethyl)sulfonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-18-8 CAPLUS

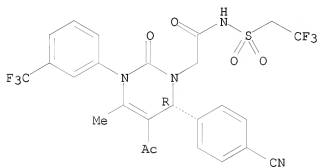
CN 1(2H)-Pyrimidineacetamide, 5-acetyl-6-(4-cyanophenyl)-N-[(4-cyanophenyl)sulfonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-19-9 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-N-[(2,2,2-trifluoroethyl)sulfonyl]-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

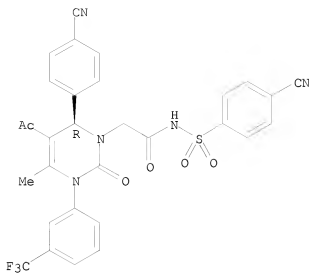
Absolute stereochemistry.



RN 864151-20-2 CAPLUS

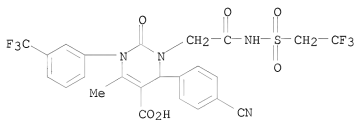
CN 1(2H)-Pyrimidineacetamide, 5-acetyl-6-(4-cyanophenyl)-N-[(4-cyanophenyl)sulfonyl]-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



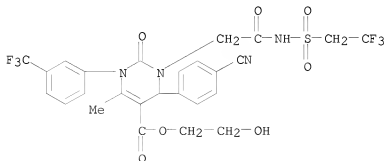
RN 864151-21-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-[2-oxo-2-[(2,2,2-trifluoroethyl)sulfonyl]amino]ethyl]-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-22-4 CAPLUS

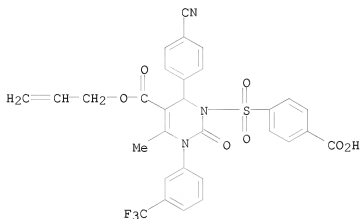
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-[2-oxo-2-[(2,2,2-trifluoroethyl)sulfonyl]amino]ethyl]-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester (CA INDEX NAME)





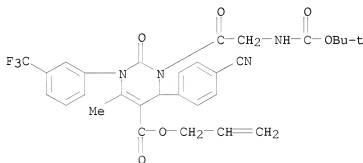
RN 864151-23-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-[(4-carboxyphenyl)sulfonyl]-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 5-(2-propen-1-yl) ester (CA INDEX NAME)



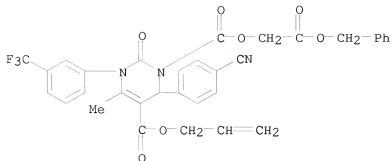
RN 864151-24-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[[1,1-dimethylethoxy]carbonyl]amino]acetyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



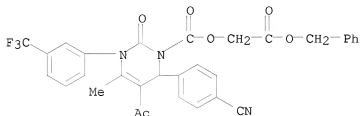
RN 864151-25-7 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1-[2-oxo-2-(phenylmethoxy)ethyl] 5-(2-propen-1-yl) ester (CA INDEX NAME)



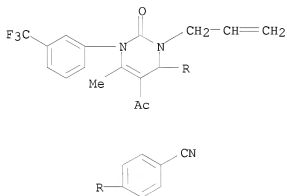
RN 864151-26-8 CAPLUS

CN 1(2H)-Pyrimidinecarboxylic acid, 5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 2-oxo-2-(phenylmethoxy)ethyl ester (CA INDEX NAME)



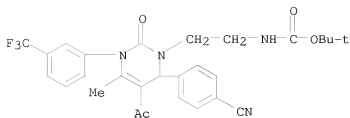
RN 864151-27-9 CAPLUS

CN Benzonitrile, 4-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-(2-propen-1-yl)-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



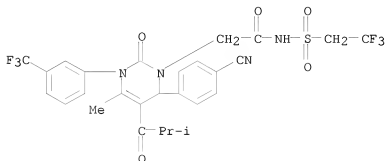
RN 864151-28-0 CAPLUS

CN Carbamic acid, [2-[5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



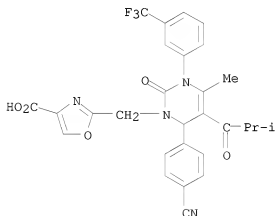
RN 864151-30-4 CAPLUS

CN 1(2H)-Pyrimidineacetamide, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-N-[(2,2,2-trifluoroethyl)sulfonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



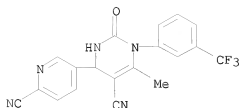
RN 864151-31-5 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[[6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-1(2H)-pyrimidinyl]methyl]- (CA INDEX NAME)



RN 864151-47-3 CAPLUS

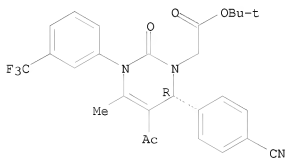
CN 5-Pyrimidinecarbonitrile, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-49-5 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 671776-55-9P 675103-36-3P 864151-33-7P

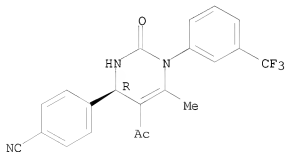
864151-34-8P

RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil elastase inhibitors)

RN 671776-55-9 CAPLUS

CN Benzonitrile, 4-[(4R)-5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

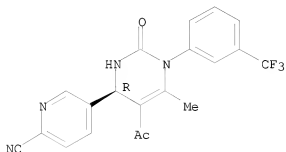


RN 675103-36-3 CAPLUS

CN 2-Pyridinecarbonitrile, 5-[(4R)-5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-

1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

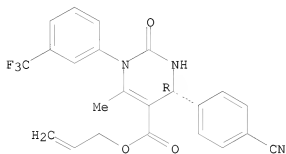
Absolute stereochemistry. Rotation (+).



RN 864151-33-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester, (4R)- (CA INDEX NAME)

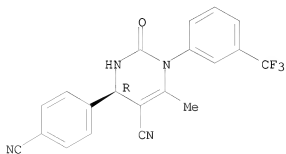
Absolute stereochemistry. Rotation (+).



RN 864151-34-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-(4-fluorophenyl)-, (4R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



IT 671775-85-2P 671775-86-3P 671775-93-2P

671775-95-4P 671776-48-0P 671776-50-4P

671776-53-7P 675103-35-2P 864151-32-6P

864151-35-9P 864151-36-0P 864151-37-1P

864151-38-2P 864151-39-3P 864151-40-6P

864151-41-7P 864151-42-8P 864151-43-9P

864151-44-0P 864151-45-1P 864151-46-2P

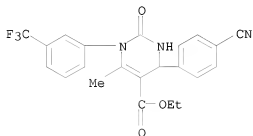
864228-16-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of tetrasubstituted pyrimidin-2-ones as human neutrophil elastase inhibitors)

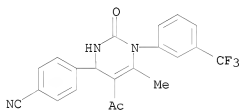
RN 671775-85-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



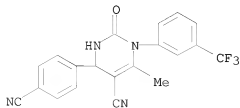
RN 671775-86-3 CAPLUS

CN Benzonitrile, 4-[5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



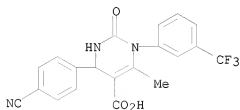
RN 671775-93-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



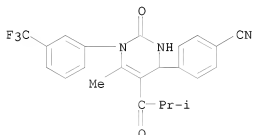
RN 671775-95-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



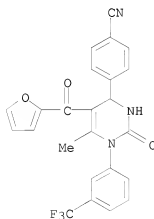
RN 671776-48-0 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-50-4 CAPLUS

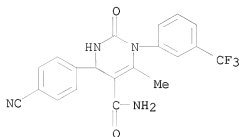
CN Benzonitrile, 4-[5-(2-furanylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-53-7 CAPLUS

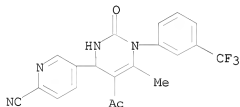
CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-

oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



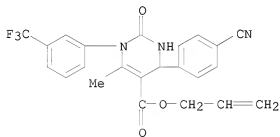
RN 675103-35-2 CAPLUS

CN 2-Pyridinecarboxynitrile, 5-[5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 864151-32-6 CAPLUS

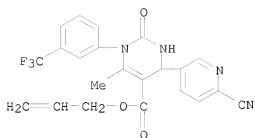
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)



RN 864151-35-9 CAPLUS

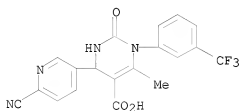
CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-propen-1-yl ester (CA INDEX NAME)





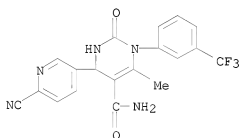
RN 864151-36-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



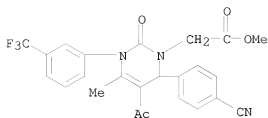
RN 864151-37-1 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

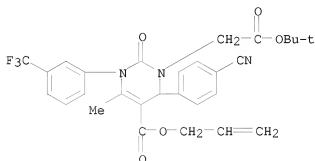


RN 864151-38-2 CAPLUS

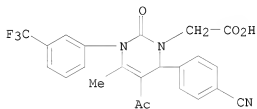
CN 1(2H)-Pyrimidineacetic acid, 5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)



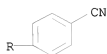
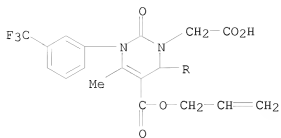
RN 864151-39-3 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864151-40-6 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



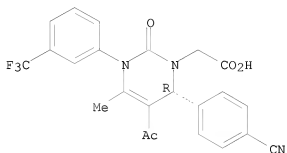
RN 864151-41-7 CAPLUS  
 CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-[(2-propen-1-yloxy)carbonyl]-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 864151-42-8 CAPLUS

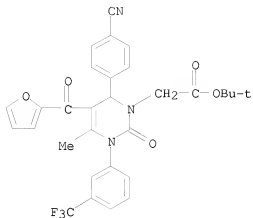
CN 1(2H)-Pyrimidineacetic acid, 5-acetyl-6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



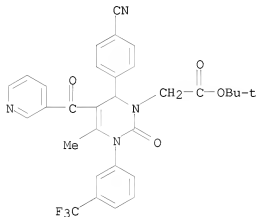
RN 864151-43-9 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(2-furanylcarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



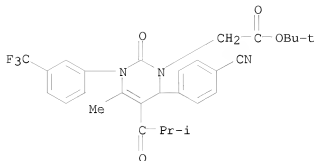
RN 864151-44-0 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-5-(3-furylcarbonyl)-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



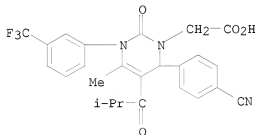
RN 864151-45-1 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 864151-46-2 CAPLUS

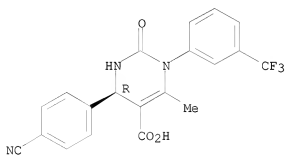
CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



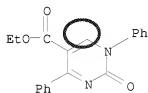
RN 864228-16-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



L16 ANSWER 12 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2004:689107 CAPLUS  
 DN 142:198006  
 TI Synthesis of functionalised pyrimidin-2-one derivatives  
 AU Abd El-Nabi, Hisham A.; Nour El-Din, A. M.; Fahmi, Magda S.  
 CS Dep. Chem., Fac. Sci., El-Minia Univ., El-Minia, Egypt  
 SO Journal of Chemical Research, Synopses (2003), (8), 514-515  
 CODEN: JRPSCD; ISSN: 0308-2342  
 PB Science Reviews  
 DT Journal  
 LA English  
 OS CASREACT 142:198006  
 AB Pyrimidin-2-one and pyrimidine-2-thione derivs. were obtained in 40-65%  
 and 60-75% yields when 4-ethoxycarbonyl-5-phenylfuran-2,3-dione (1) reacts  
 with semicarbazones and thiosemicarbazones  $H_2NC(X)NHN:CHC_6H_4R-4$  [ $X = O$ ,  $R$   
 $= H$  (2a),  $Me$  (2b),  $MeO$  (2c),  $Cl$  (2d);  $X = S$ ,  $R = Cl$  (2e),  $NMe_2$  (2f)], or  
 urea and thiourea derivs.  $H_2NC(X)NHR_1$  [ $X = O$ ,  $R_1 = Me$  (6a),  $Ph$  (6b);  $X =$   
 $S$ ,  $R_1 = Me$  (6c),  $Ph$  (6d)] through loss of  $H_2O$  and  $CO_2$ .  
 IT 839674-02-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of pyrimidinone and pyrimidinethione derivs. by  
 cyclocondensation reaction of ethoxycarbonyl(phenyl)furandione with  
 (thio)semicarbazones and (thio)ureas)  
 RN 839674-02-1 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2-dihydro-2-oxo-1,4-diphenyl-, ethyl ester  
 (CA INDEX NAME)



- R5 is not hydrogen in  
 claims  
 - reference does not teach  
 any utility

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 13 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2004:253147 CAPLUS

DN 140:287406

TI Preparation of pyridinones as human neutrophil elastase (HNE) inhibitorsIN Gielen, Heike; Li, Volkhard; Rosentreter, Ulrich; Schlemmer, Karl-heinz;

Allerheiligen, Sven; Teilan, Leila; Baerfacker, Lars; Keldenich, Joerg;

Fitzgerald, Mary F.; Nash, Kevin; Albrecht, Barbara; Meurer, Dirk

PA Bayer Healthcare Ag, Germany

SO PCT Int. Appl., 121 pp.

CODEN: PIXXD2

102(e) common inventor

DT Patent

LA English

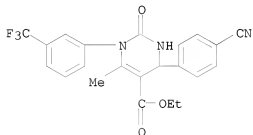
FAN.CNT 2

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |                  |
|------|---|------|----------|-----------------|----------|------------------|
| PI   | WO 2004024700   | A1   | 20040325 | WO 2003-EP9525  | 20030828 | prior            |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          | Intl filing date |
|      | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |                  |
|      | GB 2392910  | A    | 20040317 | GB 2003-15870   | 20030707 |                  |
|      | CA 2498051  | A1   | 20040325 | CA 2003-2498051 | 20030828 |                  |
|      | AU 2003282006   | A1   | 20040430 | AU 2003-282006  | 20030828 |                  |
|      | EP 1546113  | A1   | 20050629 | EP 2003-773613  | 20030828 |                  |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK   |      |          |                 |          |                  |
|      | BR 2003014186   | A    | 20050809 | BR 2003-14186   | 20030828 |                  |
|      | JP 2006507355   | T    | 20060302 | JP 2004-571738  | 20030828 |                  |
|      | NZ 538670   | A    | 20070126 | NZ 2003-538670  | 20030828 |                  |
|      | MX 2005PA02644  | A    | 20050920 | MX 2005-PA2644  | 20050309 |                  |
|      | NO 2005001726   | A    | 20050407 | NO 2005-1726    | 20050407 |                  |
|      | US 20060160801  | A1   | 20060720 | US 2005-527391  | 20051021 | ODP              |
| PRAI | GB 2002-20962   | A    | 20020910 |                 |          |                  |
|      | GB 2002-26609   | A    | 20021114 |                 |          |                  |
|      | GB 2003-15870   | A    | 20030707 |                 |          |                  |
|      | WO 2003-EP9525  | W    | 20030828 |                 |          |                  |
| OS   | MARPAT 140:287406   |      |          |                 |          |                  |

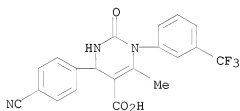
AB Title compds. I [wherein A = hetero/aryl; R1, R2, R3 = independently H, halo, NO2, CN, OH and derivs., (un)substituted alkyl, R4 = CN, trifluoromethylcarbonyl, alkenoxycarbonyl, hydroxycarbonyl, aryl/alkylaminocarbonyl, (un)substituted heteroarylcarbonyl, heterocyclylcarbonyl, heteroaryl, heterocyclyl, alkylcarbonyl, alkoxy, carbonyl, mono- and dialkylaminocarbonyl; R5 = NH2, (un)substituted alkyl; R6 = H, formyl, N-(alkylsulfonyl)/N-(alkylsulfonyl)-N-(alkyl)aminocarbonyl, heteroarylcarbonyl, heterocyclylcarbonyl, cycloalkylcarbonyl, (un)substituted alkyl, mono- and dialkylaminocarbonyl, alkylcarbonyl, alkoxy, carbonyl, heteroaryl, heterocyclyl, etc.; R7 = halo, NO2, CN, OH, (un)substituted alkyl, alkoxy; Y1, Y2, Y3, Y4, Y5 = independently CH or N; and their salts, hydrates, and/or solvates, and their tautomeric forms] were prepared as human neutrophil elastase (HNE) inhibitors. For example, II was prepared, in 91% yield, by

cyclocondensation of N-[3-(trifluoromethyl)phenyl]urea with 4-cyanobenzaldehyde and Et 3-oxobutanoate. In an in vitro assay, II displayed an IC50 value of 8 nM for HNE inhibition. Thus, I are useful for treatment of acute and chronic inflammation, ischemic and remodelling processes, in particular chronic obstructive pulmonary diseases.

- IT 671775-85-2P, Ethyl 4-(4-cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
671775-95-4P, 4-(4-Cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylic acid  
RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)  
(human neutrophil elastase inhibitor; preparation of pyrimidinones as human neutrophil elastase inhibitors)  
RN 671775-85-2 CAPLUS  
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



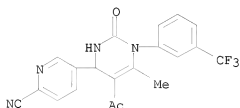
- RN 671775-95-4 CAPLUS  
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



- IT 675103-35-2P, 5-[5-Acetyl-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-2-pyridinecarbonitrile  
RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
(human neutrophil elastase inhibitor; preparation of pyrimidinones as human neutrophil elastase inhibitors)  
RN 675103-35-2 CAPLUS



CN 2-Pyridinecarbonitrile, 5-[5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



IT 864228-16-0P

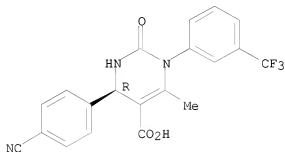
RL: PAC (Pharmacological activity); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(human neutrophil elastase inhibitor; preparation of pyrimidinones as human neutrophil elastase inhibitors)

RN 864228-16-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 675103-36-3P

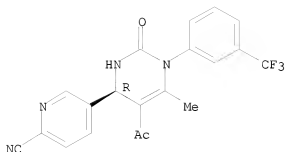
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(human neutrophil elastase inhibitor; preparation of pyrimidinones as human neutrophil elastase inhibitors)

RN 675103-36-3 CAPLUS

CN 2-Pyridinecarbonitrile, 5-[(4R)-5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



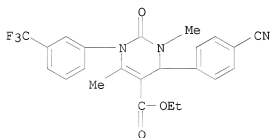
IT 671775-98-7P, Ethyl 4-(4-cyanophenyl)-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671776-27-5P 671776-53-7P, 4-(4-Cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxamide 671776-58-2P, 4-(4-Cyanophenyl)-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylic acid 675103-23-8P, Ethyl 6-(bromomethyl)-4-(4-cyanophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate 675103-26-1P  
 675103-28-3P, 4-[5-(1H-Imidazol-1-ylcarbonyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-4-pyrimidinyl]benzonitrile 675103-34-1P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(human neutrophil elastase inhibitor; preparation of pyrimidinones as human neutrophil elastase inhibitors)

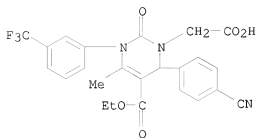
RN 671775-98-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



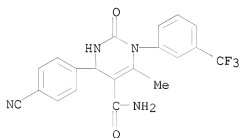
RN 671776-27-5 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



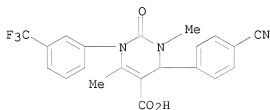
RN 671776-53-7 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



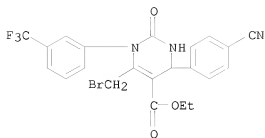
RN 671776-58-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 675103-23-8 CAPLUS

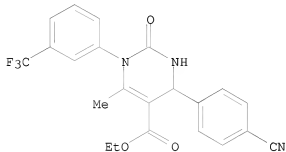
CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 675103-26-1 CAPLUS

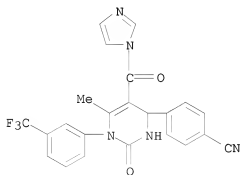
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (+)- (CA INDEX NAME)

Rotation (+).



RN 675103-28-3 CAPLUS

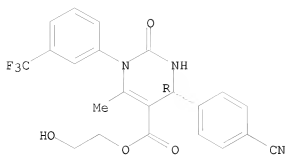
CN Benzonitrile, 4-[1,2,3,4-tetrahydro-5-(1H-imidazol-1-ylcarbonyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 675103-34-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester, (4R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



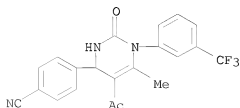
IT 671775-86-3P, 4-[5-Acetyl-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-4-pyrimidinyl]benzonitrile  
 671775-87-4P, Ethyl 4-(4-bromophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671775-88-5P, Ethyl 4-(4-cyanophenyl)-6-methyl-2-oxo-1-(4-fluorophenyl)-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671775-89-6P, Ethyl 4-(4-cyanophenyl)-6-methyl-2-oxo-1-(3-chlorophenyl)-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671775-90-9P 671775-91-0P, 4-[6-Methyl-5-(4-morpholinylcarbonyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-4-pyrimidinyl]benzonitrile 671775-92-1P,  
 4-(4-Cyanophenyl)-N,N-diethyl-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxamide 671775-93-2P,  
 4-(4-Cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydropyrimidine-5-carbonitrile 671775-94-3P, Ethyl  
 4-(4-cyanophenyl)-3-formyl-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate 671775-96-5P,  
 4-(4-Cyanophenyl)-6-methyl-2-oxo-N-propyl-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxamide 671775-97-6P,  
 4-(4-Cyanophenyl)-N-(2-methoxyethyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxamide  
 671775-99-8P, Ethyl 3-acetyl-4-(4-cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671776-00-4P, Diethyl 6-(4-cyanophenyl)-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-3,6-dihydro-1,5(2H)-pyrimidinedicarboxylate  
 671776-01-5P, Ethyl 4-(4-cyanophenyl)-6-methyl-1-(3-methylphenyl)-2-oxo-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate 671776-02-6P,  
 Ethyl 4-(4-chlorophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate 671776-07-1P, Ethyl  
 4-(6-cyano-3-pyridinyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate 671776-14-0P  
 671776-15-1P 671776-16-2P 671776-17-3P  
 671776-18-4P 671776-19-5P 671776-20-8P  
 671776-21-9P 671776-22-0P 671776-23-1P  
 671776-24-2P 671776-25-3P 671776-26-4P  
 671776-28-6P 671776-29-7P 671776-30-0P  
 671776-31-1P 671776-32-2P 671776-33-3P  
 671776-34-4P 671776-35-5P 671776-36-6P  
 671776-37-7P 671776-38-8P 671776-39-9P  
 671776-40-2P 671776-41-3P 671776-42-4P, Ethyl  
 4-(4-cyanophenyl)-6-methyl-3-[2-(4-morpholinyl)-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671776-43-5P 671776-44-6P 671776-45-7P

671776-46-8P 671776-47-9P 671776-48-0P  
 671776-49-1P 671776-50-4P 671776-51-5P  
 671776-52-6P 671776-54-8P, 2-Hydroxyethyl  
 4-(4-cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-  
 tetrahydro-5-pyrimidinecarboxylate 671776-56-0P  
 671776-57-1P 671776-59-3P 671776-60-6P  
 671776-61-7P 671776-62-8P 671776-63-9P  
 671776-64-0P 671776-65-1P 671776-66-2P  
 671776-67-3P 671776-68-4P 671776-69-5P  
 671776-70-8P 671776-71-9P 671776-72-0P  
 671776-73-1P 671776-74-2P 671776-75-3P  
 671776-76-4P 671776-77-5P 671776-78-6P  
 671776-79-7P 671776-80-0P 671776-81-1P  
 671776-82-2P, Ethyl 4-(4-cyanophenyl)-1-(3,5-dichlorophenyl)-6-  
 methyl-2-oxo-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671776-83-3P, Ethyl 6-methyl-4-(3-nitrophenyl)-2-oxo-1-[3-  
 (trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 671776-84-4P 671776-85-5P 671776-86-6P  
 671776-87-7P 671776-88-8P, 4-(4-Cyanophenyl)-6-methyl-2-  
 oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-tetrahydropyrimidine-5-  
 carboxylic acid 671776-89-9P, Ethyl  
 6-methyl-4-(4-nitrophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-  
 tetrahydropyrimidine-5-carboxylate 671776-90-2P,  
 5-Acetyl-6-methyl-4-(4-nitrophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-  
 1,2,3,4-tetrahydropyrimidine 671776-99-1P 675103-22-7P  
 , 6-Amino-4-(4-cyanophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-  
 tetrahydro-5-pyrimidinecarbonitrile 675103-24-9P, Ethyl  
 4-(4-cyanophenyl)-6-[(diethylamino)methyl]-2-oxo-1-[3-  
 (trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 675103-25-0P, Ethyl 6-(anilinomethyl)-4-(4-cyanophenyl)-2-oxo-1-[3-  
 (trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate  
 675103-27-2P 675103-29-4P, 2-(Dimethylamino)ethyl  
 4-(4-cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-  
 tetrahydro-5-pyrimidinecarboxylate 675103-30-7P  
 675103-31-8P 675103-32-9P, 2-(2-Oxo-1-pyrrolidinyl)ethyl  
 4-(4-cyanophenyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2,3,4-  
 tetrahydro-5-pyrimidinecarboxylate  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(human neutrophil elastase inhibitor; preparation of pyrimidinones as human  
 neutrophil elastase inhibitors)

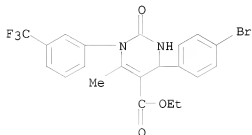
RN 671775-86-3 CAPLUS

CN Benzonitrile, 4-[5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-  
 (trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



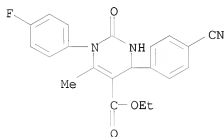
RN 671775-87-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-bromophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



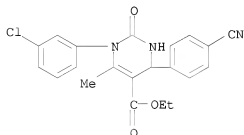
RN 671775-88-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1-(4-fluorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



RN 671775-89-6 CAPLUS

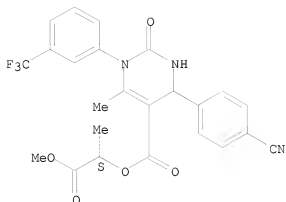
CN 5-Pyrimidinecarboxylic acid, 1-(3-chlorophenyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



RN 671775-90-9 CAPLUS

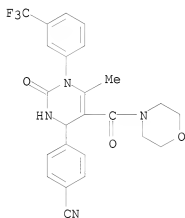
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1S)-2-methoxy-1-methyl-2-oxoethyl ester (CA INDEX NAME)

Absolute stereochemistry.



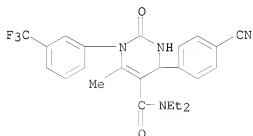
RN 671775-91-0 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(4-morpholinylcarbonyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671775-92-1 CAPLUS

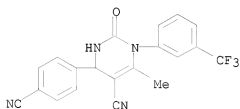
CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N,N-diethyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 671775-93-2 CAPLUS

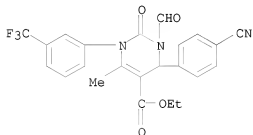


CN 5-Pyrimidinecarbonitrile, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



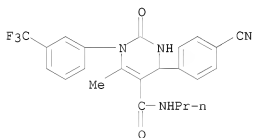
RN 671775-94-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-formyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



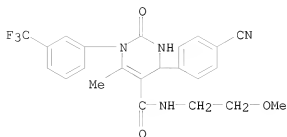
RN 671775-96-5 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-N-propyl-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



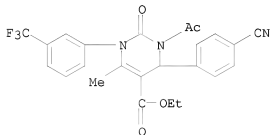
RN 671775-97-6 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-N-(2-methoxyethyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



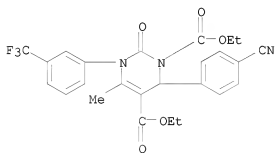
RN 671775-99-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-acetyl-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



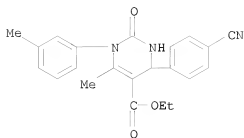
RN 671776-00-4 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,5-diethyl ester (CA INDEX NAME)



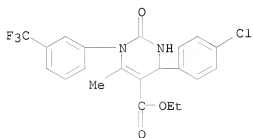
RN 671776-01-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-methylphenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



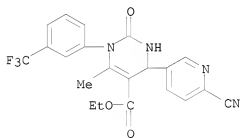
RN 671776-02-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



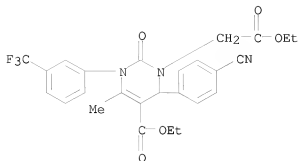
RN 671776-07-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



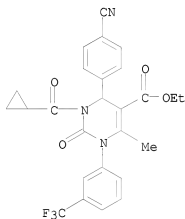
RN 671776-14-0 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



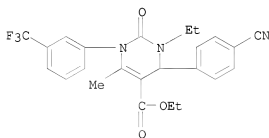
RN 671776-15-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-(cyclopropylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-16-2 CAPLUS

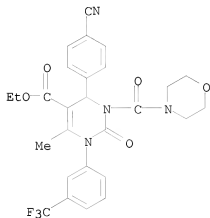
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-ethyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-17-3 CAPLUS

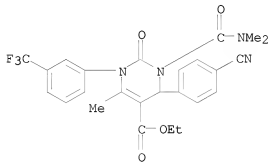
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-

3-(4-morpholinylcarbonyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



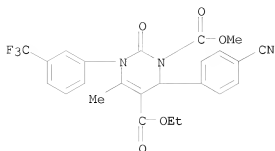
RN 671776-18-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[(dimethylamino)carbonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



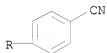
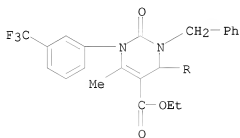
RN 671776-19-5 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 5-ethyl 1-methyl ester (CA INDEX NAME)



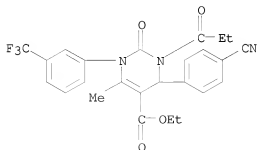
RN 671776-20-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(phenylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



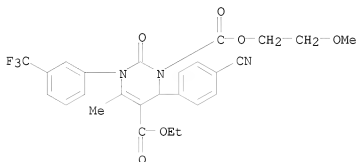
RN 671776-21-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(1-oxopropyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



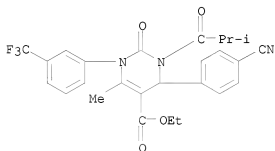
RN 671776-22-0 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 5-ethyl 1-(2-methoxyethyl) ester (CA INDEX NAME)



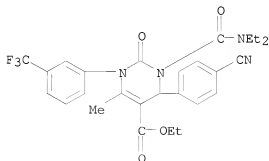
RN 671776-23-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-(2-methyl-1-oxopropyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



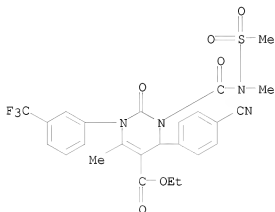
RN 671776-24-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[(diethylamino)carbonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



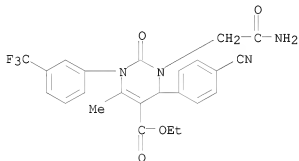
RN 671776-25-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[[methyl(methylsulfonyl)amino]carbonyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-26-4 CAPLUS

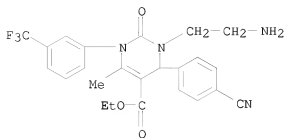
CN 5-Pyrimidinecarboxylic acid, 3-(2-amino-2-oxoethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-28-6 CAPLUS

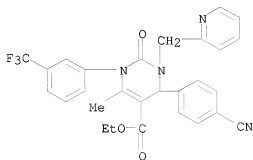
CN 5-Pyrimidinecarboxylic acid, 3-(2-aminoethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)





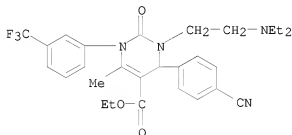
RN 671776-29-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(2-pyridinylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



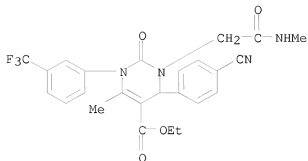
RN 671776-30-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-(diethylamino)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



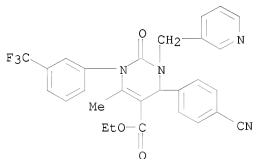
RN 671776-31-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[2-(methylamino)-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



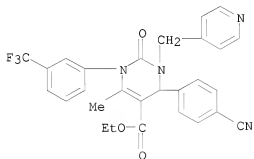
RN 671776-32-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(3-pyridinylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



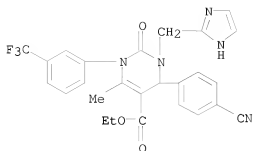
RN 671776-33-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(4-pyridinylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



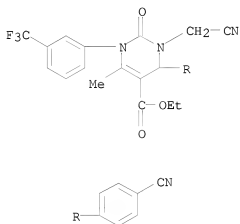
RN 671776-34-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-(1H-imidazol-2-ylmethyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



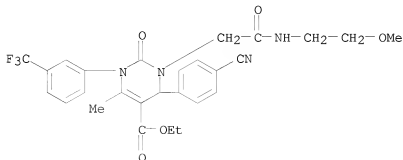
RN 671776-35-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(cyanomethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



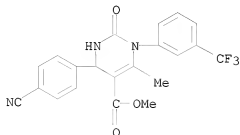
RN 671776-36-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-[2-[(2-methoxyethyl)amino]-2-oxoethyl]-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



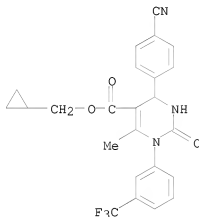
RN 671776-37-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)



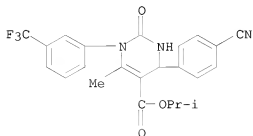
RN 671776-38-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, cyclopropylmethyl ester (CA INDEX NAME)



RN 671776-39-9 CAPLUS

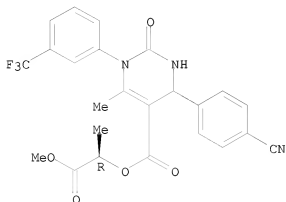
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 1-methylethyl ester (CA INDEX NAME)



RN 671776-40-2 CAPLUS

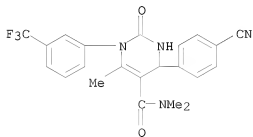
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1R)-2-methoxy-1-methyl-2-oxoethyl ester (CA INDEX NAME)

Absolute stereochemistry.



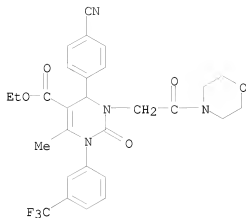
RN 671776-41-3 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-N,N,6-trimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



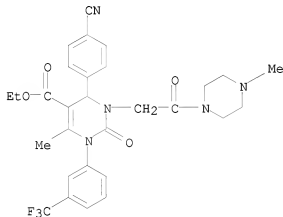
RN 671776-42-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[2-(4-morpholinyl)-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



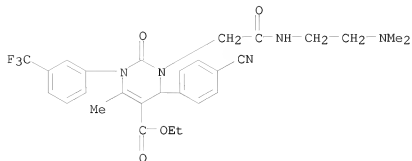
RN 671776-43-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[2-(4-methyl-1-piperazinyl)-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



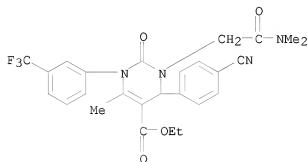
RN 671776-44-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[(2-dimethylamino)ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



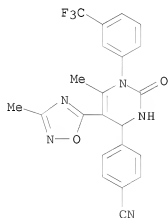
RN 671776-45-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-(dimethylamino)-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-46-8 CAPLUS

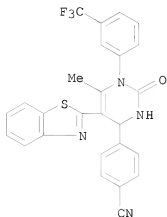
CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(3-methyl-1,2,4-oxadiazol-5-yl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-47-9 CAPLUS

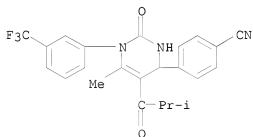
CN Benzonitrile, 4-[5-(2-benzothiazolyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-

[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



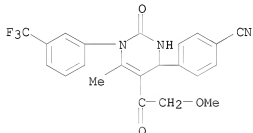
RN 671776-48-0 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-49-1 CAPLUS

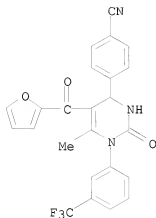
CN Benzonitrile, 4-[1,2,3,4-tetrahydro-5-(2-methoxyacetyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-50-4 CAPLUS

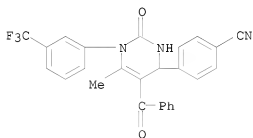
CN Benzonitrile, 4-[5-(2-furanylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)





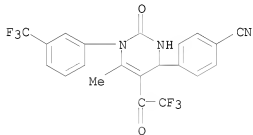
RN 671776-51-5 CAPLUS

CN Benzonitrile, 4-[5-benzoyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-52-6 CAPLUS

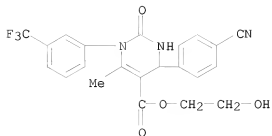
CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-2-oxo-5-(2,2,2-trifluoroacetyl)-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-54-8 CAPLUS

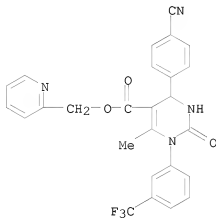
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester (CA INDEX NAME)

NAME)



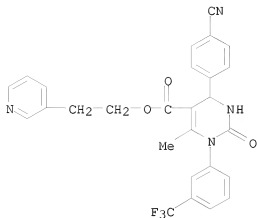
RN 671776-56-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-pyridinylmethyl ester (CA INDEX NAME)



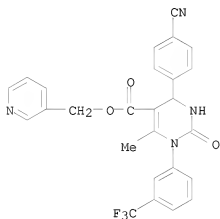
RN 671776-57-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(3-pyridinyl)ethyl ester (CA INDEX NAME)



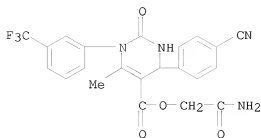
RN 671776-59-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-pyridinylmethyl ester (CA INDEX NAME)



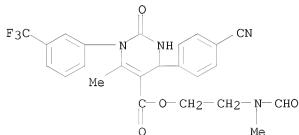
RN 671776-60-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-amino-2-oxoethyl ester (CA INDEX NAME)



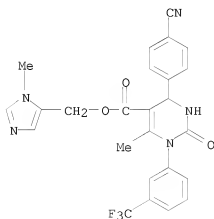
RN 671776-61-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(formylmethylamino)ethyl ester (CA INDEX NAME)



RN 671776-62-8 CAPLUS

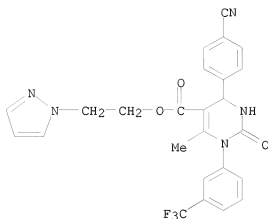
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1-methyl-1H-imidazol-5-yl)methyl ester (CA INDEX NAME)



RN 671776-63-9 CAPLUS

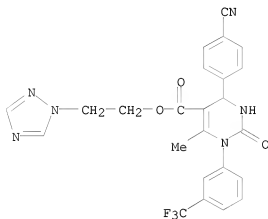
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-pyrazol-1-yl)ethyl ester (CA INDEX NAME)

INDEX NAME)



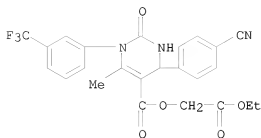
RN 671776-64-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-1,2,4-triazol-1-yl)ethyl ester (CA INDEX NAME)



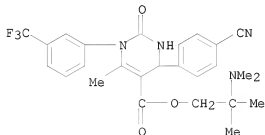
RN 671776-65-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-ethoxy-2-oxoethyl ester (CA INDEX NAME)



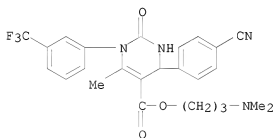
RN 671776-66-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(dimethylamino)-2-methylpropyl ester (CA INDEX NAME)



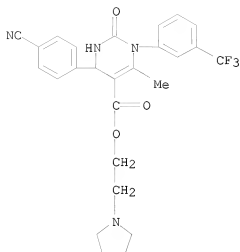
RN 671776-67-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-(dimethylamino)propyl ester (CA INDEX NAME)



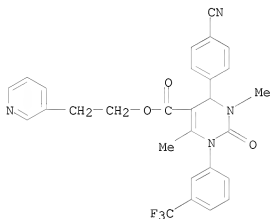
RN 671776-68-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1-pyrrolidinyl)ethyl ester (CA INDEX NAME)



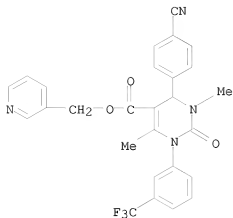
RN 671776-69-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(3-pyridinyl)ethyl ester  
(CA INDEX NAME)



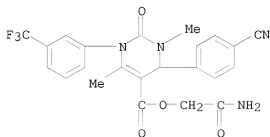
RN 671776-70-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-pyridinylmethyl ester  
(CA INDEX NAME)



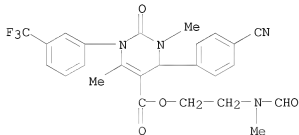
RN 671776-71-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-amino-2-oxoethyl ester (CA INDEX NAME)



RN 671776-72-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(formylmethylamino)ethyl ester (CA INDEX NAME)

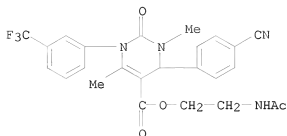


RN 671776-73-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(acetylamino)ethyl ester

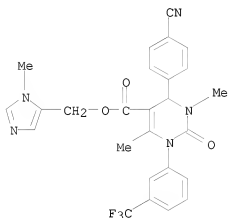


(CA INDEX NAME)



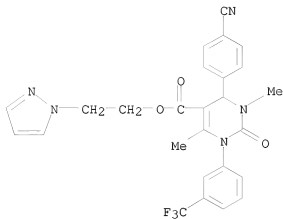
RN 671776-74-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1-methyl-1H-imidazol-5-yl)methyl ester (CA INDEX NAME)



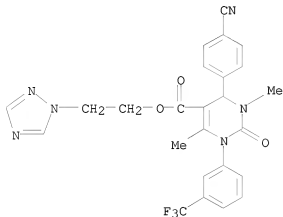
RN 671776-75-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-pyrazol-1-yl)ethyl ester (CA INDEX NAME)



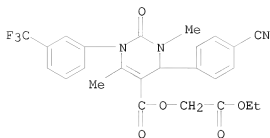
RN 671776-76-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-1,2,4-triazol-1-yl)ethyl ester (CA INDEX NAME)



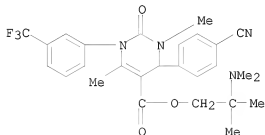
RN 671776-77-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-ethoxy-2-oxoethyl ester (CA INDEX NAME)



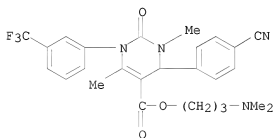
RN 671776-78-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(dimethylamino)-2-methylpropyl ester (CA INDEX NAME)



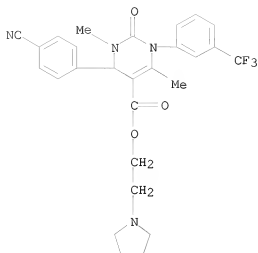
RN 671776-79-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-(dimethylamino)propyl ester (CA INDEX NAME)



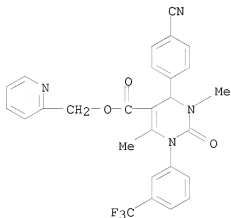
RN 671776-80-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1-pyrrolidinyl)ethyl ester (CA INDEX NAME)



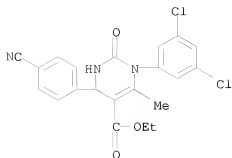
RN 671776-81-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-pyridinylmethyl ester (CA INDEX NAME)



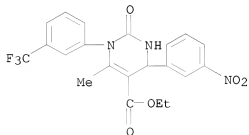
RN 671776-82-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1-(3,5-dichlorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



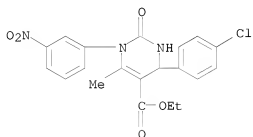
RN 671776-83-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



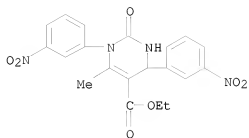
RN 671776-84-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



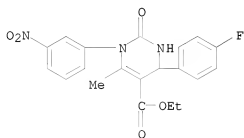
RN 671776-85-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-1,4-bis(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



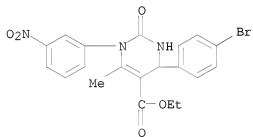
RN 671776-86-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-fluorophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



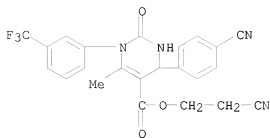
RN 671776-87-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-bromophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



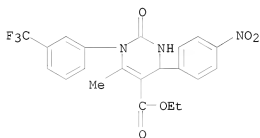
RN 671776-88-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-cyanoethyl ester (CA INDEX NAME)



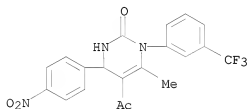
RN 671776-89-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(4-nitrophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



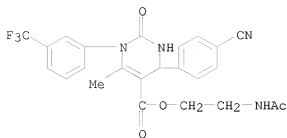
RN 671776-90-2 CAPLUS

CN 2(1H)-Pyrimidinone, 5-acetyl-3,4-dihydro-6-methyl-4-(4-nitrophenyl)-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



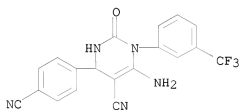
RN 671776-99-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(acetylamino)ethyl ester (CA INDEX NAME)



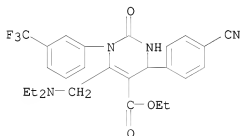
RN 675103-22-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 6-amino-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 675103-24-9 CAPLUS

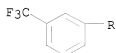
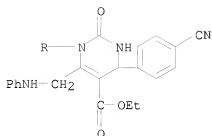
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-6-[(diethylamino)methyl]-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 675103-25-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-2-oxo-6-[(phenylamino)methyl]-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

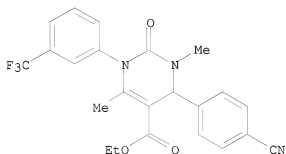




RN 675103-27-2 CAPLUS

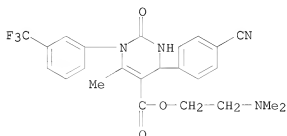
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester, (-)- (CA INDEX NAME)

Rotation (-).



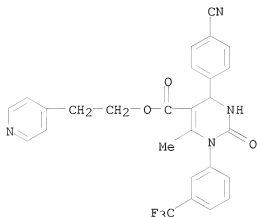
RN 675103-29-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(dimethylamino)ethyl ester (CA INDEX NAME)



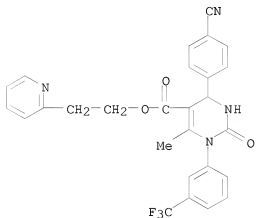
RN 675103-30-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(4-pyridinyl)ethyl ester (CA INDEX NAME)



RN 675103-31-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(2-pyridinyl)ethyl ester (CA INDEX NAME)



RN 675103-32-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(2-oxo-1-pyrrolidinyl)ethyl ester (CA INDEX NAME)



L16 ANSWER 14 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2004:213317 CAPLUS

DN 140:253573

TI Preparation of 2-oxopyrimidines as human leukocyte elastase (HNE) inhibitors

IN Gielen, Heike; Li, Volkhart Min-jian; Rosentreter, Ulrich; Schlemmer, Karl-heinz; Allerheiligen, Swen; Telan, Leila; Baerfacker, Lars; Keldenich, Joerg; Albrecht, Barbara; Meurer, Dirk; Fitzgerald, Mary; Nash, Kevin

PA Bayer Ag, Germany

SO Brit. UK Pat. Appl., 117 pp.

CODEN: BAXXDU

same as #13

DT Patent

LA English

FAN.CNT 2

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | GB 2392910  | A    | 20040317 | GB 2003-15870   | 20030707 |
|      | CA 2498051  | A1   | 20040325 | CA 2003-2498051 | 20030828 |
|      | WO 2004024700   | A1   | 20040325 | WO 2003-EP9525  | 20030828 |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
|      | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
|      | AU 2003282006   | A1   | 20040430 | AU 2003-282006  | 20030828 |
|      | EP 1546113  | A1   | 20050629 | EP 2003-773613  | 20030828 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK   |      |          |                 |          |
|      | BR 2003014186   | A    | 20050809 | BR 2003-14186   | 20030828 |
|      | CN 1732159  | A    | 20060208 | CN 2003-824983  | 20030828 |
|      | JP 2006507355   | T    | 20060302 | JP 2004-571738  | 20030828 |
|      | NZ 538670   | A    | 20070126 | NZ 2003-538670  | 20030828 |
|      | ZA 2005001964   | A    | 20060531 | ZA 2005-1964    | 20050308 |
|      | MX 2005PA02644  | A    | 20050920 | MX 2005-PA2644  | 20050309 |
|      | NO 2005001726   | A    | 20050407 | NO 2005-1726    | 20050407 |
|      | US 20060160801  | A1   | 20060720 | US 2005-527391  | 20051021 |
| PRAI | GB 2002-20962   | A    | 20020910 |                 |          |
|      | GB 2002-26609   | A    | 20021114 |                 |          |
|      | GB 2003-15870   | A    | 20030707 |                 |          |
|      | WO 2003-EP9525  | W    | 20030828 |                 |          |

OS MARPAT 140:253573

AB Title compds. [I; A = aryl, heteroaryl; R1-R3 = H, OH, halo, NO2, cyano, (substituted) alkyl, alkoxy; R4 = F3CCO, (substituted) alkylcarbonyl, alkoxy carbonyl, alkenyloxy carbonyl, CO2H, arylcarbonyl, heteroaryl, heterocyclyl, cyano, etc.; R5 = (substituted) alkyl, amino; R6 = H, CHO, CONH2, (substituted) alkyl, alkoxy carbonyl, alkylsulfonylamino carbonyl, heteroaryl, heterocyclyl, etc.; R7 = halo, NO2, cyano, OH, (substituted) alkyl, alkoxy; Y1-Y5 = CH, N, wherein the ring contains 0-2 N], were prepared. Thus, 3-trifluoromethylphenylurea, 4-cyanobenzaldehyde, Et 3-oxobutyrate, and polyphosphoric acid Et ester were refluxed 18 h in THF to give 91% Et 4-(4-cyanophenyl)-6-methyl-2-oxo-1-[3-

(trifluoromethyl)phenyl]-1,2,3,4-tetrahydro-5-pyrimidinecarboxylate. The latter inhibited HNE with IC50 = 8 nM.

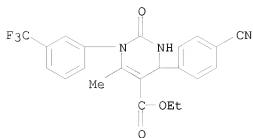
IT 671775-85-2P 671775-86-3P 671775-87-4P  
 671775-88-5P 671775-89-6P 671775-90-9P  
 671775-91-0P 671775-92-1P 671775-93-2P  
 671775-94-3P 671775-95-4P 671775-96-5P  
 671775-97-6P 671775-98-7P 671775-99-8P  
 671776-00-4P 671776-01-5P 671776-02-6P  
 671776-03-7P 671776-04-8P 671776-05-9P  
 671776-06-0P 671776-07-1P 671776-08-2P  
 671776-09-3P 671776-10-6P 671776-11-7P  
 671776-12-8P 671776-13-9P 671776-14-0P  
 671776-15-1P 671776-16-2P 671776-17-3P  
 671776-18-4P 671776-19-5P 671776-20-8P  
 671776-21-9P 671776-22-0P 671776-23-1P  
 671776-24-2P 671776-25-3P 671776-26-4P  
 671776-27-5P 671776-28-6P 671776-29-7P  
 671776-30-0P 671776-31-1P 671776-32-2P  
 671776-33-3P 671776-34-4P 671776-35-5P  
 671776-36-6P 671776-37-7P 671776-38-8P  
 671776-39-9P 671776-40-2P 671776-41-3P  
 671776-42-4P 671776-43-5P 671776-44-6P  
 671776-45-7P 671776-46-8P 671776-47-9P  
 671776-48-0P 671776-49-1P 671776-50-4P  
 671776-51-5P 671776-52-6P 671776-53-7P  
 671776-54-8P 671776-55-9P 671776-56-0P  
 671776-57-1P 671776-58-2P 671776-59-3P  
 671776-60-6P 671776-61-7P 671776-62-8P  
 671776-63-9P 671776-64-0P 671776-65-1P  
 671776-66-2P 671776-67-3P 671776-68-4P  
 671776-69-5P 671776-70-8P 671776-71-9P  
 671776-72-0P 671776-73-1P 671776-74-2P  
 671776-75-3P 671776-76-4P 671776-77-5P  
 671776-78-6P 671776-79-7P 671776-80-0P  
 671776-81-1P 671776-82-2P 671776-83-3P  
 671776-84-4P 671776-85-5P 671776-86-6P  
 671776-87-7P 671776-88-8P 671776-89-9P  
 671776-90-2P 671776-99-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-oxypyrimidines as human leukocyte elastase inhibitors)

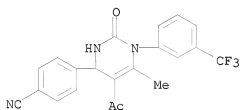
RN 671775-85-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



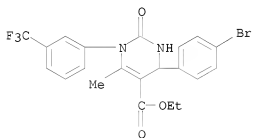
RN 671775-86-3 CAPLUS

CN Benzonitrile, 4-[5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



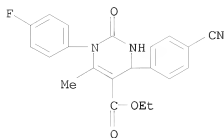
RN 671775-87-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-bromophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



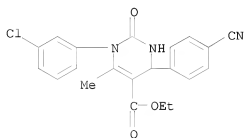
RN 671775-88-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1-(4-fluorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



RN 671775-89-6 CAPLUS

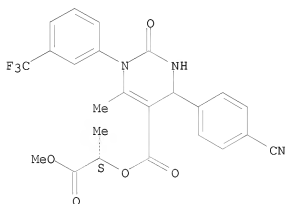
CN 5-Pyrimidinecarboxylic acid, 1-(3-chlorophenyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



RN 671775-90-9 CAPLUS

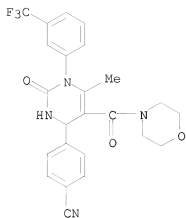
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1S)-2-methoxy-1-methyl-2-oxoethyl ester (CA INDEX NAME)

Absolute stereochemistry.



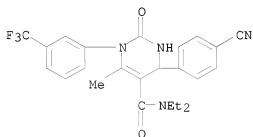
RN 671775-91-0 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(4-morpholinylcarbonyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



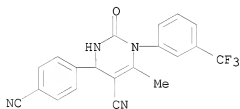
RN 671775-92-1 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-N,N-diethyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 671775-93-2 CAPLUS

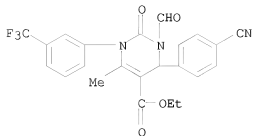
CN 5-Pyrimidinecarbonitrile, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 671775-94-3 CAPLUS

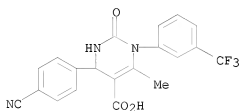
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-formyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)





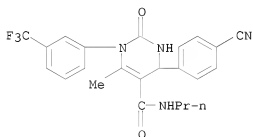
RN 671775-95-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



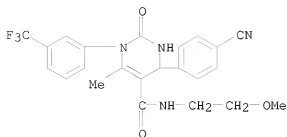
RN 671775-96-5 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-N-propyl-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



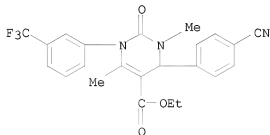
RN 671775-97-6 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-N-(2-methoxyethyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



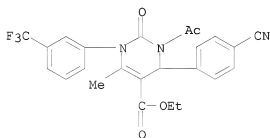
RN 671775-98-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



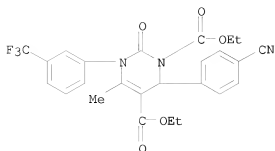
RN 671775-99-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-acetyl-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



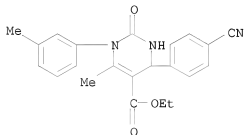
RN 671776-00-4 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 1,5-diethyl ester (CA INDEX NAME)



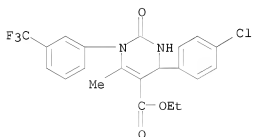
RN 671776-01-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-methylphenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



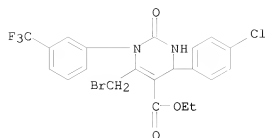
RN 671776-02-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



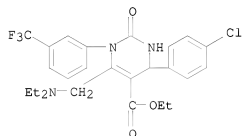
RN 671776-03-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 6-(bromomethyl)-4-(4-chlorophenyl)-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



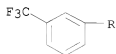
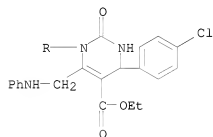
RN 671776-04-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-6-[(diethylamino)methyl]-1,2,3,4-tetrahydro-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-05-9 CAPLUS

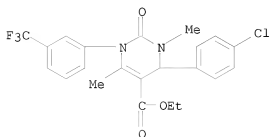
CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-1,2,3,4-tetrahydro-2-oxo-6-[(phenylamino)methyl]-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-06-0 CAPLUS

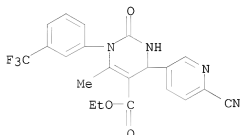
CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-1,2,3,4-tetrahydro-3,6-

dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



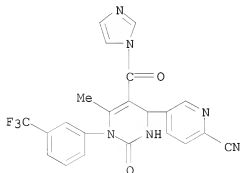
RN 671776-07-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



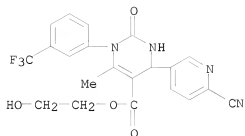
RN 671776-08-2 CAPLUS

CN 2-Pyridinecarbonitrile, 5-[1,2,3,4-tetrahydro-5-(1H-imidazol-1-ylcarbonyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



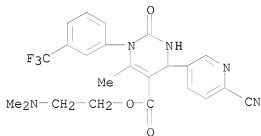
RN 671776-09-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester (CA INDEX NAME)



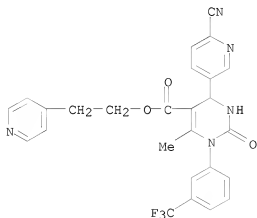
RN 671776-10-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(dimethylamino)ethyl ester (CA INDEX NAME)



RN 671776-11-7 CAPLUS

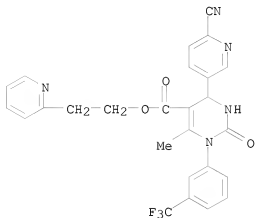
CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(4-pyridinyl)ethyl ester (CA INDEX NAME)



RN 671776-12-8 CAPLUS

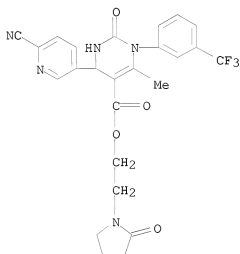
CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-

methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(2-pyridinyl)ethyl ester  
(CA INDEX NAME)



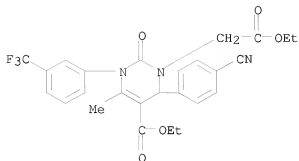
RN 671776-13-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(6-cyano-3-pyridinyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(2-oxo-1-pyrrolidinyl)ethyl ester (CA INDEX NAME)



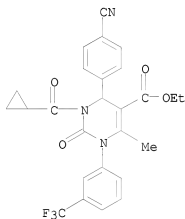
RN 671776-14-0 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



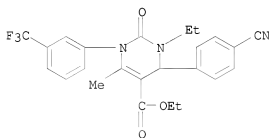
RN 671776-15-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-(cyclopropylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-16-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-ethyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

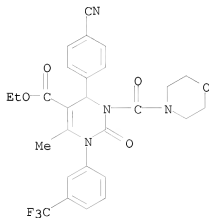


RN 671776-17-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-

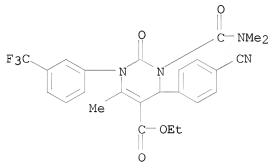


3-(4-morpholinylcarbonyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



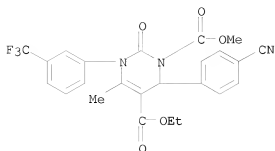
RN 671776-18-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[(dimethylamino)carbonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



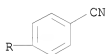
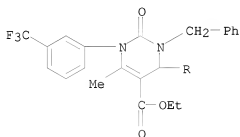
RN 671776-19-5 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 5-ethyl 1-methyl ester (CA INDEX NAME)



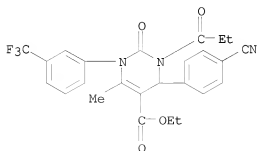
RN 671776-20-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(phenylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



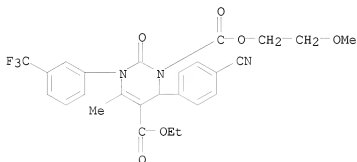
RN 671776-21-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(1-oxopropyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



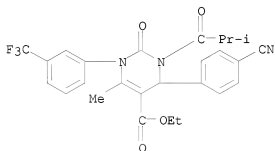
RN 671776-22-0 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 6-(4-cyanophenyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-, 5-ethyl 1-(2-methoxyethyl) ester (CA INDEX NAME)



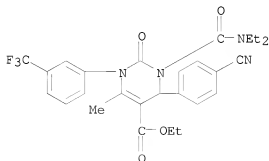
RN 671776-23-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-(2-methyl-1-oxopropyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



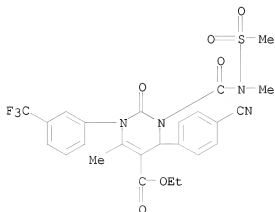
RN 671776-24-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[(diethylamino)carbonyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



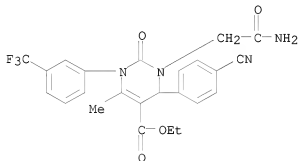
RN 671776-25-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[[methyl(methylsulfonyl)amino]carbonyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



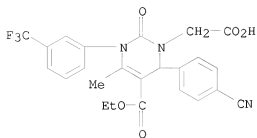
RN 671776-26-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(2-amino-2-oxoethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



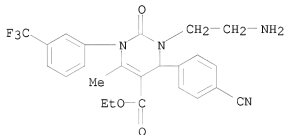
RN 671776-27-5 CAPLUS

CN 1(2H)-Pyrimidineacetic acid, 6-(4-cyanophenyl)-5-(ethoxycarbonyl)-3,6-dihydro-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



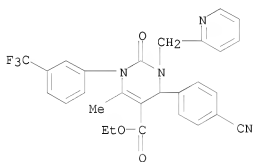
RN 671776-28-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(2-aminoethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



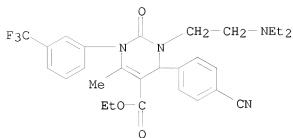
RN 671776-29-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(2-pyridinylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



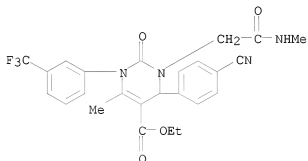
RN 671776-30-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-(diethylamino)ethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



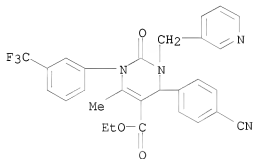
RN 671776-31-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[2-(methylamino)-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



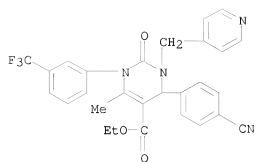
RN 671776-32-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(3-pyridinylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



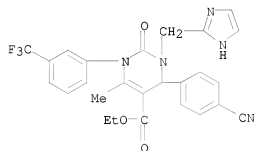
RN 671776-33-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-3-(4-pyridinylmethyl)-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



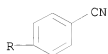
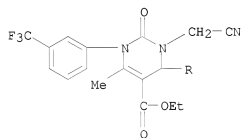
RN 671776-34-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-(1H-imidazol-2-ylmethyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



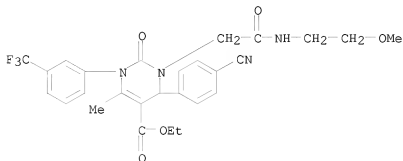
RN 671776-35-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-(cyanomethyl)-4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



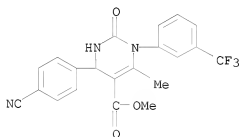
RN 671776-36-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3-[2-[(2-methoxyethyl)amino]-2-oxoethyl]-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



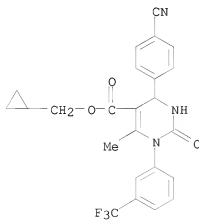
RN 671776-37-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)



RN 671776-38-8 CAPLUS

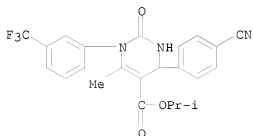
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, cyclopropylmethyl ester (CA INDEX NAME)





RN 671776-39-9 CAPLUS

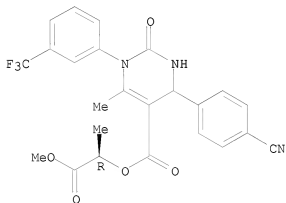
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 1-methylethyl ester (CA INDEX NAME)



RN 671776-40-2 CAPLUS

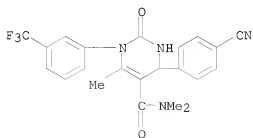
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1R)-2-methoxy-1-methyl-2-oxoethyl ester (CA INDEX NAME)

Absolute stereochemistry.



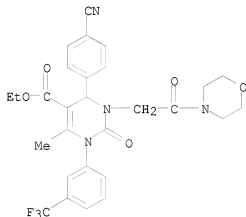
RN 671776-41-3 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-N,N,6-trimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



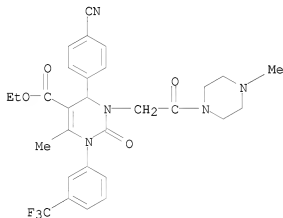
RN 671776-42-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[2-(4-morpholinyl)-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



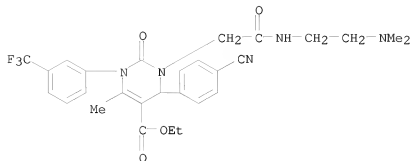
RN 671776-43-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-3-[2-(4-methyl-1-piperazinyl)-2-oxoethyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



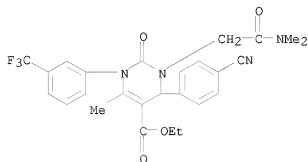
RN 671776-44-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-[[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



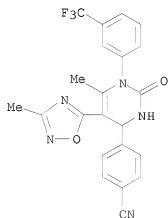
RN 671776-45-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-3-[2-(dimethylamino)-2-oxoethyl]-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 671776-46-8 CAPLUS

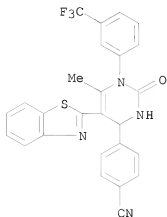
CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(3-methyl-1,2,4-oxadiazol-5-yl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



RN 671776-47-9 CAPLUS

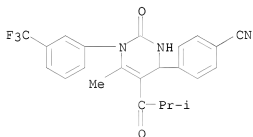
CN Benzonitrile, 4-[5-(2-benzothiazolyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-

[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



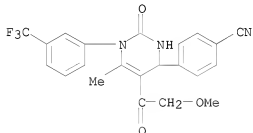
RN 671776-48-0 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-5-(2-methyl-1-oxopropyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



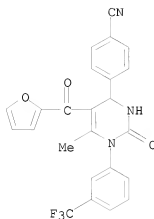
RN 671776-49-1 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-5-(2-methoxyacetyl)-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



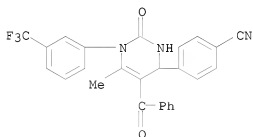
RN 671776-50-4 CAPLUS

CN Benzonitrile, 4-[5-(2-furanylcarbonyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



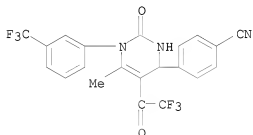
RN 671776-51-5 CAPLUS

CN Benzonitrile, 4-[5-benzoyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



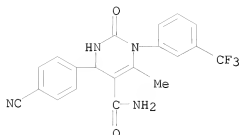
RN 671776-52-6 CAPLUS

CN Benzonitrile, 4-[1,2,3,4-tetrahydro-6-methyl-2-oxo-5-(2,2,2-trifluoroacetyl)-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)



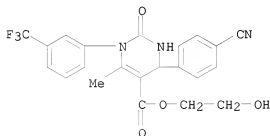
RN 671776-53-7 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 671776-54-8 CAPLUS

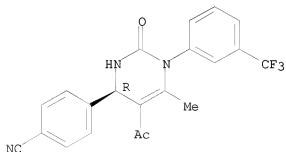
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-hydroxyethyl ester (CA INDEX NAME)



RN 671776-55-9 CAPLUS

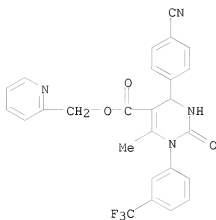
CN Benzonitrile, 4-[(4R)-5-acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



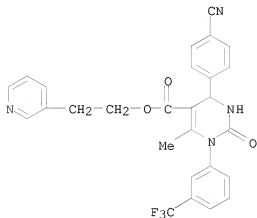
RN 671776-56-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-pyridinylmethyl ester (CA INDEX NAME)



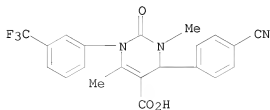
RN 671776-57-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(3-pyridinyl)ethyl ester (CA INDEX NAME)



RN 671776-58-2 CAPLUS

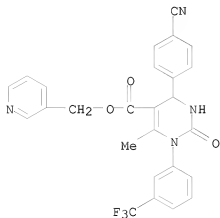
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 671776-59-3 CAPLUS

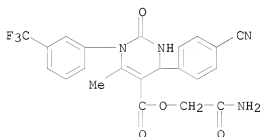
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-

2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-pyridinylmethyl ester (CA INDEX NAME)



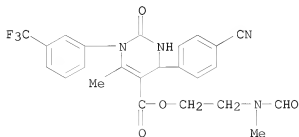
RN 671776-60-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-amino-2-oxoethyl ester (CA INDEX NAME)



RN 671776-61-7 CAPLUS

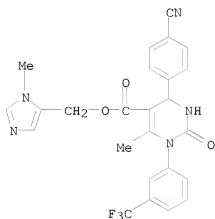
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(formylmethylamino)ethyl ester (CA INDEX NAME)





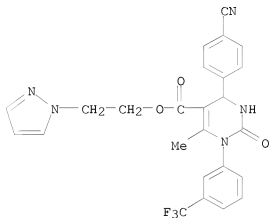
RN 671776-62-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1-methyl-1H-imidazol-5-yl)methyl ester (CA INDEX NAME)



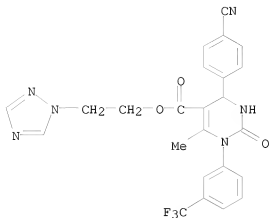
RN 671776-63-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-pyrazol-1-yl)ethyl ester (CA INDEX NAME)



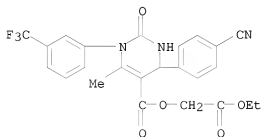
RN 671776-64-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-1,2,4-triazol-1-yl)ethyl ester (CA INDEX NAME)



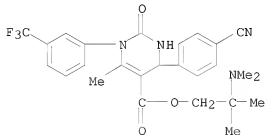
RN 671776-65-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-ethoxy-2-oxoethyl ester (CA INDEX NAME)



RN 671776-66-2 CAPLUS

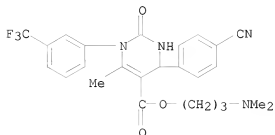
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(dimethylamino)-2-methylpropyl ester (CA INDEX NAME)



RN 671776-67-3 CAPLUS

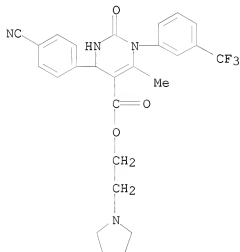
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-(dimethylamino)propyl ester (CA INDEX NAME)

INDEX NAME)



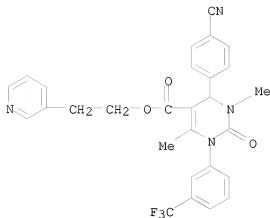
RN 671776-68-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1-pyrrolidinyl)ethyl ester (CA INDEX NAME)



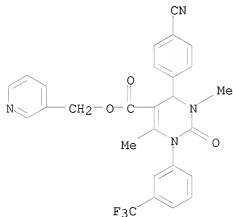
RN 671776-69-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(3-pyridinyl)ethyl ester (CA INDEX NAME)



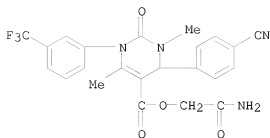
RN 671776-70-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-pyridinylmethyl ester (CA INDEX NAME)



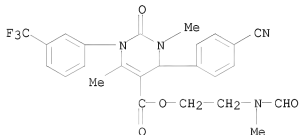
RN 671776-71-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-amino-2-oxoethyl ester (CA INDEX NAME)



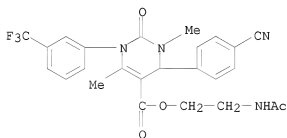
RN 671776-72-0 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(formylmethylamino)ethyl ester (CA INDEX NAME)



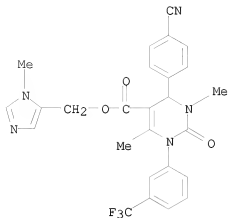
RN 671776-73-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(acetylamino)ethyl ester (CA INDEX NAME)



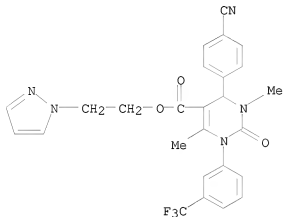
RN 671776-74-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, (1-methyl-1H-imidazol-5-yl)methyl ester (CA INDEX NAME)



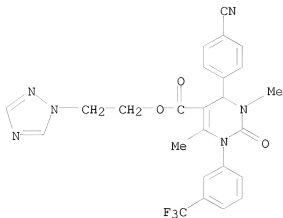
RN 671776-75-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-pyrazol-1-yl)ethyl ester (CA INDEX NAME)



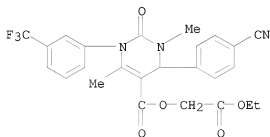
RN 671776-76-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1H-1,2,4-triazol-1-yl)ethyl ester (CA INDEX NAME)



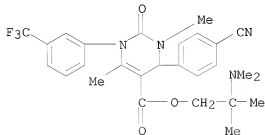
RN 671776-77-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-ethoxy-2-oxoethyl ester (CA INDEX NAME)



RN 671776-78-6 CAPLUS

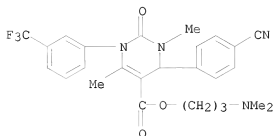
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(dimethylamino)-2-methylpropyl ester (CA INDEX NAME)



RN 671776-79-7 CAPLUS

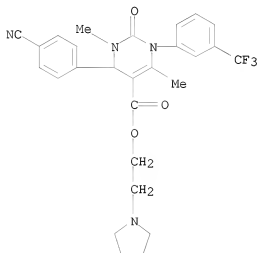
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 3-(dimethylamino)propyl ester (CA INDEX NAME)

ester (CA INDEX NAME)



RN 671776-80-0 CAPLUS

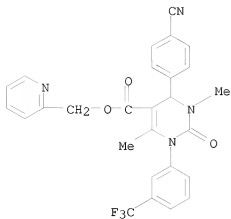
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(1-pyrrolidinyl)ethyl ester (CA INDEX NAME)



RN 671776-81-1 CAPLUS

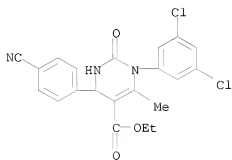
CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-3,6-dimethyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-pyridinylmethyl ester (CA INDEX NAME)





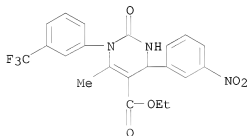
RN 671776-82-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1-(3,5-dichlorophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-, ethyl ester (CA INDEX NAME)



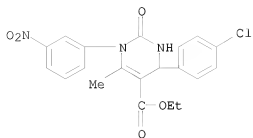
RN 671776-83-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



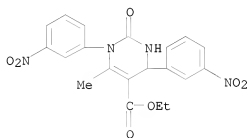
RN 671776-84-4 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



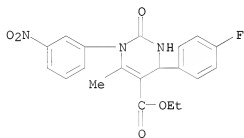
RN 671776-85-5 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-1,4-bis(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



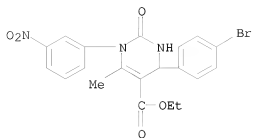
RN 671776-86-6 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-fluorophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



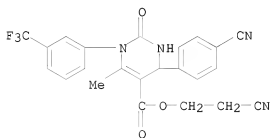
RN 671776-87-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-bromophenyl)-1,2,3,4-tetrahydro-6-methyl-1-(3-nitrophenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



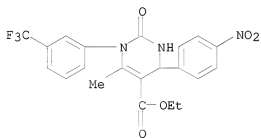
RN 671776-88-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-cyanoethyl ester (CA INDEX NAME)



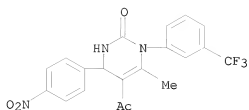
RN 671776-89-9 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(4-nitrophenyl)-2-oxo-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



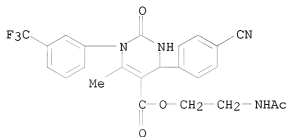
RN 671776-90-2 CAPLUS

CN 2(1H)-Pyrimidinone, 5-acetyl-3,4-dihydro-6-methyl-4-(4-nitrophenyl)-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 671776-99-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 4-(4-cyanophenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-, 2-(acetylamino)ethyl ester (CA INDEX NAME)



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 15 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:350926 CAPLUS

DN 139:230707

TI Synthesis and antimicrobial activity of some pyrimidine derivatives

AU Padhy, A. K.; Bardhan, M.; Panda, C. S.

CS National Institute of Science and Technology, Berhampur, 761 008, India

SO Indian Journal of Chemistry, Section B: Organic Chemistry Including

Medicinal Chemistry (2003), 42B(4), 910-915

CODEN: IJSBDB; ISSN: 0376-4699

PB National Institute of Science Communication

DT Journal

LA English

OS CASREACT 139:230707

AB 4-Aryl-5-carbethoxy-6-methyl-1,2,3,4-tetrahydropyrimidin-2-ones have been synthesized from easily available starting materials. The carbethoxy group at the C5-position of the pyrimidine ring is converted to hydrazide, which in turn is condensed with cyclizing agents such as aromatic aldehydes, CS<sub>2</sub>, etc. to give heterocycles. The heterocycles are then subjected to phenacylation to give (N3-phenacylpyrimidinyl)-heterocycles, e.g., I, in excellent yield. In a slightly modified way, uracil derivs. are condensed with Et bromoacetate to give N3-[(ethoxycarbonyl)methyl] derivs. The hydrazide derivs. of these N3-[(ethoxycarbonyl)methyl] derivs. subsequently react with 1,2-diketones to give pyrimidylpyridazines, e.g., II.

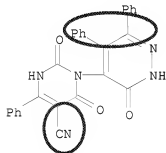
IT 593283-68-2P 593283-71-7P 593283-73-9P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and antimicrobial activity of pyrimidine derivs.)

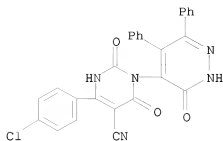
RN 593283-68-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(2,3-dihydro-3-oxo-5,6-diphenyl-4-pyridazinyl)-1,2,3,6-tetrahydro-2,6-dioxo-4-phenyl- (CA INDEX NAME)



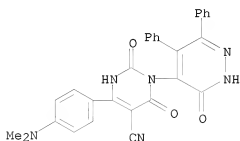
RN 593283-71-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 4-(4-chlorophenyl)-1-(2,3-dihydro-3-oxo-5,6-diphenyl-4-pyridazinyl)-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)



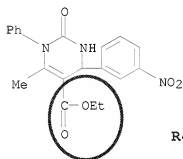
RN 593283-73-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(2,3-dihydro-3-oxo-5,6-diphenyl-4-pyridazinyl)-4-[4-(dimethylamino)phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)



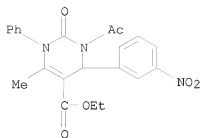
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 16 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2001:779582 CAPLUS  
 DN 136:183781  
 TI Investigation of the chemical reactivity of positions N-3, C-5 and C6-methyl group in Biginelli type compounds and synthesis of new dihydropyrimidine derivatives  
 AU Namazi, H.; Mirzaei, Y. R.; Azamat, H.  
 CS Lab of Carbohydrates and Biopolymers, Faculty of Chemistry, University of Tabriz, Tabriz, Iran  
 SO Journal of Heterocyclic Chemistry (2001), 38(5), 1051-1054  
 CODEN: JHTCAD; ISSN: 0022-152X  
 PB HeteroCorporation  
 DT Journal  
 LA English  
 OS CASREACT 136:183781  
 AB Biginelli-type compds. (I; R = Me, Ph) were prepared and converted to eight N-3 substituted dihydropyrimidines using NaH and various electrophiles (ClCO<sub>2</sub>Et, TsCl, Ac<sub>2</sub>O, AcCl and PhCOCl). I (R = Ph) was monobrominated at the C6-Me group using bromine solution Reaction of the bromo derivative with amino nucleophiles, such as MeNH<sub>2</sub> and cyclohexylamine, produced two pyrrolopyrimidine derivs. (II; R<sub>1</sub> = Me, cyclohexyl). The structures of all the new compds. were confirmed using FTIR, <sup>1</sup>H NMR, and <sup>13</sup>C NMR spectral and elemental analyses.  
 IT 321943-50-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (chemical reactivity of positions N-3, C-5 and C6-Me group in Biginelli type compds. and synthesis of new dihydropyrimidine derivs.)  
 RN 321943-50-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)



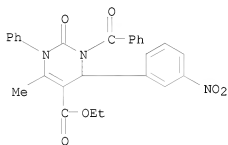
**R4 is substituted alkoxy carbonyl (see page 121, lines 3-8)**

IT 398456-89-8P 398456-90-1P 398456-91-2P  
 398456-96-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (chemical reactivity of positions N-3, C-5 and C6-Me group in Biginelli type compds. and synthesis of new dihydropyrimidine derivs.)  
 RN 398456-89-8 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 3-acetyl-1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)



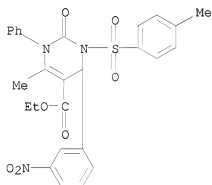
RN 398456-90-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 3-benzoyl-1,2,3,4-tetrahydro-6-methyl-4-(3-nitrophenyl)-2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)



RN 398456-91-2 CAPLUS

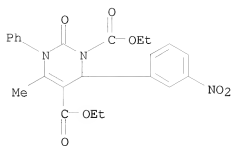
CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-3-[(4-methylphenyl)sulfonyl]-4-(3-nitrophenyl)-2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)



RN 398456-96-7 CAPLUS

CN 1,5(2H)-Pyrimidinedicarboxylic acid, 3,6-dihydro-4-methyl-6-(3-nitrophenyl)-2-oxo-3-phenyl-, 1,5-diethyl ester (CA INDEX NAME)





RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 17 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1998:795884 CAPLUS

DN 130:125043

TI A Combinatorial Approach to Recognition of Chirality: Preparation of Highly Enantioselective Aryl-Dihydropyrimidine Selectors for Chiral HPLC

AU Lewandowski, Kevin; Murer, Peter; Svec, Frantisek; Frechet, Jean M. J.

CS Department of Chemistry, University of California, Berkeley, CA, 94720-1460, USA

SO Journal of Combinatorial Chemistry (1999), 1(1), 105-112

CODEN: JCCHFF; ISSN: 1520-4766

PB American Chemical Society

DT Journal

LA English

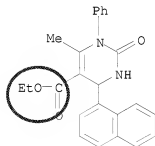
AB A parallel library of 108 4-aryl-1,4-dihydropyrimidine (DHPPM) enantiomers, which are potential selectors for chiral HPLC sepn., was synthesized using the single-step Biginelli multicomponent condensation. The individual compds. were screened by observing the enantioselectivity for resolution on a brush-type L-(3,5-dinitrobenzoyl)leucine-based chiral stationary phase, and separation factors  $\alpha$  up to 12 were achieved. The best candidates from the library contained an ortho-substituted aromatic group at C-4 of the pyrimidine ring and an alkyl substituent at N-1. Resolution of the enantiomers of the lead compound, 4-(9-phenanthryl)-1,4-dihydropyrimidine, using semipreparative chiral HPLC followed by attachment to monodisperse macroporous aminomethacrylate beads, provided a novel polymer based chiral stationary phase with good enantioselectivities in the resolution of several  $\pi$ -acidic aryldihydropyrimidines and derivatized profens. In addition, 3,5-dinitrobenzamido derivs. of  $\alpha$ -amino acids could be resolved under normal phase HPLC conditions with separation factors up to 8.

IT 219814-96-7P 219814-97-8P

RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)  
(combinatorial synthesis and resolution of aryldihydropyrimidinecarboxylates for use as chiral stationary phases)

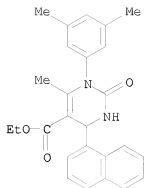
RN 219814-96-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-6-methyl-4-(1-naphthalenyl)-2-oxo-1-phenyl-, ethyl ester (CA INDEX NAME)



RN 219814-97-8 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1-(3,5-dimethylphenyl)-1,2,3,4-tetrahydro-6-methyl-4-(1-naphthalenyl)-2-oxo-, ethyl ester (CA INDEX NAME)



RE.CNT 69 THERE ARE 69 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 18 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1998:594082 CAPLUS

DN 129:269481

OREF 129:54755a,54758a

TI Synthesis and characterization of metal chelates with new pyrimidine derivatives

AU Siddiqi, K. S.; Nishat, N.

CS Department of Chemistry, University of Bahrain, Isa Town, Bahrain

SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1998), 28(8), 1353-1369

CODEN: SRIMCN; ISSN: 0094-5714

PB Marcel Dekker, Inc.

DT Journal

LA English

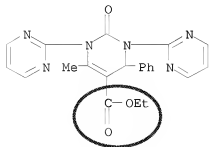
AB The ligands 4-phenyl-5-ethoxycarbonyl-6-methyl-3,4-dihydropyrimidin-2-one (L1), 1,3-diacetamido(4-phenyl-5-ethoxycarbonyl-6-methyl-3,4-dihydropyrimidin-2-one) (L2) and 1,3-dipyrimidinyl(4-phenyl-5-ethoxycarbonyl-6-methyl-3,4-dihydropyrimidin-2-one) (L3) and their metal chelates with 3d metal ions were synthesized. The conductivity measurements suggest that [M(L1)2Cl2], [M2(L2)Cl4], [M'2(L2)Cl6] and [M(L3)2Cl2] are nonelectrolytes in DMSO and MeCN while [M'(L1)2Cl2]Cl and [M'(L3)2Cl2]Cl are 1:1 electrolytes, where M = Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) and M' = Cr(III) and Fe(III). Spectroscopic studies show that L1 coordinates through NH and the O atom of the pyrimidinyl ring, L2 coordinates through the N and O atoms of the amide group while L3 coordinates via the two N atoms of the pyrimidinone ring. The electronic spectra and the magnetic moments reveal that all metal complexes of L1, L3 and complexes of trivalent metal ions with L2 are octahedral while those of the divalent metal ions with L2 probably have a tetrahedral structure except for the Cu(II) complex which appears to be square-planar. The  $\beta$  values suggest a considerable degree of orbital overlap in the metal-ligand bond.

IT 213592-25-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and complexation with first-row transition-metal ions)

RN 213592-25-7 CAPLUS

CN [2,1'-(2'H):3'-(4'H),2''-Terpyrimidine]-5'-carboxylic acid, 4'-methyl-2'-oxo-6'-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



IT 213592-48-4P 213592-50-8P 213592-52-0P

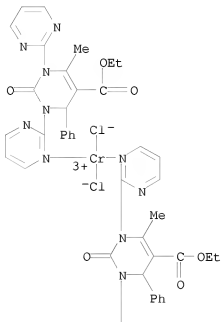
213592-54-2P 213592-56-4P 213592-58-6P

213592-60-0P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)  
 RN 213592-48-4 CAPLUS  
 CN Chromium(1+), dichlorobis[ethyl 6'-methyl-2'-oxo-4'-phenyl[2,1'(2'H):3'(4'H),2''-terpyrimidine]-5'-carboxylate-κN1]-, chloride, (T-4)- (9CI) (CA INDEX NAME)

PAGE 1-A

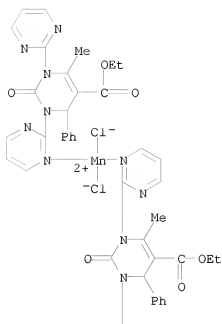


PAGE 2-A



RN 213592-50-8 CAPLUS  
 CN Manganese, dichlorobis[ethyl 6'-methyl-2'-oxo-4'-phenyl[2,1'(2'H):3'(4'H),2''-terpyrimidine]-5'-carboxylate-κN1]- (9CI) (CA INDEX NAME)

PAGE 1-A

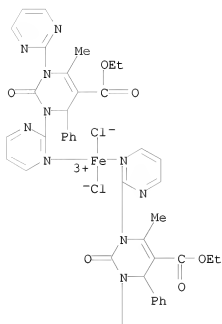


PAGE 2-A



RN 213592-52-0 CAPLUS  
 CN Iron(1+), dichlorobis[ethyl 6'-methyl-2'-oxo-4'-phenyl[2,1'(2'H):3'(4'H),2''-terpyrimidine]-5'-carboxylate-κN1]-, chloride (9Cl) (CA INDEX NAME)

PAGE 1-A

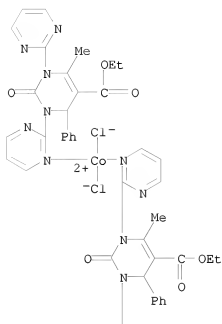


PAGE 2-A



RN 213592-54-2 CAPLUS  
 CN Cobalt, dichlorobis[ethyl 6'-methyl-2'-oxo-4'-phenyl[2,1'(2'H):3'(4'H),2''-terpyrimidine]-5'-carboxylate-κN1]-, (T-4)- (9CI) (CA INDEX NAME)

PAGE 1-A



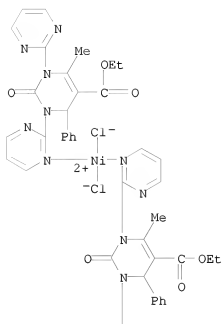
PAGE 2-A



RN 213592-56-4 CAPLUS  
 CN Nickel, dichlorobis[ethyl 6'-methyl-2'-oxo-4'-phenyl[2,1'(2'H):3'(4'H),2''-terpyrimidine]-5'-carboxylate-κN1]- (9CI) (CA INDEX NAME)



PAGE 1-A

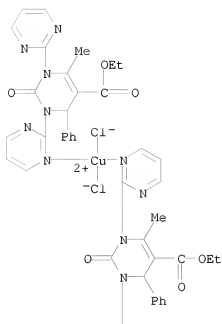


PAGE 2-A



RN 213592-58-6 CAPLUS  
 CN Copper, dichlorobis[ethyl 6'-methyl-2'-oxo-4'-phenyl[2,1'(2'H):3'(4'H),2''-terpyrimidine]-5'-carboxylate-κN1]- (9Cl) (CA INDEX NAME)

PAGE 1-A



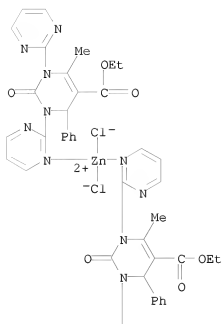
PAGE 2-A



RN 213592-60-0 CAPLUS

CN Zinc, dichlorobis[ethyl 6'-methyl-2'-oxo-4'-phenyl[2,1'(2'H):3'(4'H),2''-terpyrimidine]-5'-carboxylate-κN1]-, (T-4)- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 19 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1993:560311 CAPLUS

DN 119:160311

OREF 119:28737a,28740a

TI Preparation of pyrimidines as pesticides.

IN Ishii, Shigeru; Nakayama, Kazuya; Yagi, Kazuo; Akimoto, Kazuhiko; Umehara, Toshuki; Kudo, Masaki; Inoe, Yoichi

PA Nissan Chemical Ind Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 32 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

|      | PATENT NO.        | KIND | DATE     | APPLICATION NO. | DATE     |
|------|-------------------|------|----------|-----------------|----------|
| PI   | JP 05025144       | A    | 19930202 | JP 1991-82380   | 19910415 |
| PRAI | JP 1991-82380     |      | 19910415 |                 |          |
| OS   | MARPAT 119:160311 |      |          |                 |          |

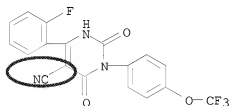
AB The title compds. [R1 = H, alkyl, alkenyl, alkynyl, etc.; R2 = H, halo, alkyl, haloalkyl, etc.; Z1, Z2 = O, S, imino; A, B = substituted phenyl], useful as miticides, insecticides, etc., (no data), are prepared E.g., Et 3-amino-3-(2-chlorophenyl)-2-propenoate was cyclocondensed with Et 4-(2-pyrimidinylloxy)phenylcarbamate at 100° for 3 h to give the title compound 3-[4-(2-pyrimidinylloxy)phenyl]-6-(o-chlorophenyl)-2,4(1H,3H)-pyrimidinedione. I [R1 = R2 = H, A = 2-fluorophenyl, B = 3,4-dichlorophenyl, Z1 = Z2 = O] at 1000 ppm had 100% kill when applied to *Spodoptera litura*.

IT 149908-69-0P 149908-70-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pesticide)

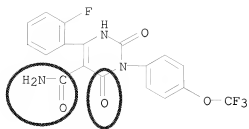
RN 149908-69-0 CAPLUS

CN 5-Pyrimidinecarbonitrile, 4-(2-fluorophenyl)-1,2,3,6-tetrahydro-2,6-dioxo-1-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



RN 149908-70-3 CAPLUS

CN 5-Pyrimidinecarboxamide, 4-(2-fluorophenyl)-1,2,3,6-tetrahydro-2,6-dioxo-1-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



L16 ANSWER 20 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1993:517269 CAPLUS

DN 119:117269

OREF 119:21099a,21102a

TI Preparation of 6-phenylpyrimidine derivatives as pesticides

IN Ishii, Shigeru; Nakayama, Kazuya; Akimoto, Kazuhiko; Umehara, Toshuki; Kudo, Masaki; Inoe, Yoichi

PA Nissan Chemical Ind Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

|      | PATENT NO.        | KIND | DATE     | APPLICATION NO. | DATE     |
|------|-------------------|------|----------|-----------------|----------|
| PI   | JP 05025142       | A    | 19930202 | JP 1991-172720  | 19910712 |
| PRAI | JP 1991-172720    |      | 19910712 |                 |          |
| OS   | MARPAT 119:117269 |      |          |                 |          |

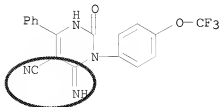
AB The title compds. [I; R1 = H, alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, CHO, alkylcarbonyl, alkoxyalkyl, cyanoalkyl, (un)substituted Ph, PhCH2, alkylsulfonyl, (un)substituted NH2, etc.; R2 = H, halo, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, alkylthioalkyl, thiol, alkylthio, alkylsulfinyl, alkylsulfonyl, HO, alkoxy, NO2, etc.; X = halo, alkyl, alkoxy, alkylthio, haloalkyl, haloalkoxy, haloalkylthio, NH2, cyano, NO2; 1 = 0-5; Z1, Z2 = O, S, NH; B = (un)substituted Ph, (W)nAr (where n = 0,1); W = O, S(O)q (where q = 0-2), (un)substituted NH or CH2, CO, (un)substituted CHON:CH, OCH2, CH2O, or NHCH2, etc.; Ar = (un)substituted Ph, naphthyl, furyl, thienyl, pyrrolyl, pyrazolyl, imidazolyl, etc.], having excellent insecticidal and acaricidal activity particularly against spider mites, are prepared. Thus, a solution of 0.70 g Et 3-amino-3-(2,6-difluorophenyl)-2-propenoate in 1,4-dioxane was added dropwise to a stirred mixture of 0.15 g 5% NaH and 1,4-dioxane with ice-cooling and after stirring 15 min at room temperature 0.8 g Et 4-(trifluoromethylthio)phenylcarbamate was added and the mixture was refluxed for 2 h to give 0.15 3-(4-trifluoromethylthiophenyl)-6-(2,6-difluorophenyl)-2,4(1H,3H)-pyrimidinedione (II). I including II killed 100% larvae of *Nilaparvata lugens*, *Henosepilachna vigintioctopunctata*, *Spodoptera litura*, and *Tetranychus urticae*.

IT 148785-95-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as insecticide and acaricide)

RN 148785-95-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,2,3,4-tetrahydro-4-imino-2-oxo-6-phenyl-3-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



10/590,770

L16 ANSWER 21 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1992:59388 CAPLUS

DN 116:59388

OREF 116:10281a,10284a

TI Preparation of 3-phenyl pyrimidine-2,4-diones as pesticides

IN Ishii, Shigeru; Nakayama, Kazunari; Yagi, Kazuo; Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Umehara, Toshiyuki; Kudo, Masaki; Nawamaki, Tsutomu; et al.

PA Nissan Chemical Industries, Ltd., Japan

SO Eur. Pat. Appl., 379 pp.

CODEN: EPXXDW

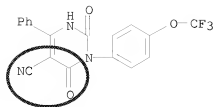
DT Patent

LA English

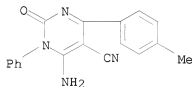
FAN.CNT 1

|      | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|------|--|------|----------|-----------------|----------|
| PI   | EP 438209  | A1   | 19910724 | EP 1991-300035  | 19910102 |
|      | EP 438209  | B1   | 19940921 |                 |          |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE  |      |          |                 |          |
|      | JP 03287578  | A    | 19911218 | JP 1990-327671  | 19901128 |
|      | JP 3038903   | B2   | 20000508 |                 |          |
|      | AU 9168587   | A    | 19910725 | AU 1991-68587   | 19910103 |
|      | AU 636186  | B2   | 19930422 |                 |          |
|      | ZA 9100094   | A    | 19911030 | ZA 1991-94      | 19910104 |
|      | US 5116404   | A    | 19920526 | US 1991-638811  | 19910108 |
|      | CA 2034404   | A1   | 19910719 | CA 1991-2034404 | 19910117 |
|      | KR 149513  | B1   | 19981015 | KR 1991-756     | 19910118 |
| PRAI | JP 1990-8826   | A    | 19900118 |                 |          |
|      | JP 1990-53450  | A    | 19900305 |                 |          |
|      | JP 1990-327671   | A    | 19901128 |                 |          |
| OS   | MARPAT 116:59388   |      |          |                 |          |
| AB   | Title compds. [I; R1 = H, CHO, alkyl, alkenyl, alkynyl, alkylcarbonyl, alkoxycarbonyl, cyanoalkyl, Ph, PhCh2, alkoxycarbonylthio, alkali metal, alkaline earth metal, etc.; R2 = H, halo (halo)alkyl, hydroxyalkyl, alkoxyalkyl, alkylthioalkyl, SH, (halo)alkylthio, (halo)alkylsulfinyl, (halo)alkylsulfonyl, OH, (halo)alkoxy, CHO, cyano, NO2, thiocyanato; A, B = (substituted) Ph, naphthyl, furyl, thienyl, pyrrolyl, pyrazolyl, pyrimidyl, halo, cyano, NO2, haloalkyl, (halo)alkylthio, (halo)alkoxy, (halo)alkylsulfonyl, etc; Z1, Z2 = O, S, imino], were prepared Thus, a mixture of Et 3-amino-4,4,4-trifluorocrotonate, Et 2,3,4-trifluorophenylcarbonate, and NaH was stirred in DMF for 4 h at 90° to give title compound II. II at 0.16 kg/hal postemergent gave complete control of Abutilon avidennae, Amaranthus retroflexus, etc. |      |          |                 |          |
| IT   | 136728-92-2P   |      |          |                 |          |
|      | RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pesticide)  |      |          |                 |          |
| RN   | 136728-92-2 CAPLUS   |      |          |                 |          |
| CN   | 5-Pyrimidinecarbonitrile, 1,2,3,6-tetrahydro-2,6-dioxo-4-phenyl-1-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)  |      |          |                 |          |

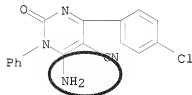




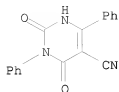
L16 ANSWER 22 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1989:57604 CAPLUS  
 DN 110:57604  
 OREF 110:9536h,9537a  
 TI Pyrimidine-5-carbonitriles from methyl N-(aminocarbonyl)- or  
 N-(aminothiocarbonyl)imidates  
 AU Krechl, Jiri; Perez, Miguel A.; Cuadrado, Francisco J.; Soto, Jose L.  
 CS Dep. Org. Chem., Prague Inst. Chem. Technol., Prague, CS-166 28, Czech.  
 SO Synthesis (1988), (2), 122-4  
 CODEN: SYNTBF; ISSN: 0039-7881  
 DT Journal  
 LA English  
 OS CASREACT 110:57604  
 AB Cyclization of MeOC(R1):NC(X)NHR2 (I, R1 = Et, Ph, p-tolyl, p-ClC6H4; R2 =  
 Et, Ph; X = O, S) with CH2(CN)2 gave 20-89% 8 pyrimidines II. Similarly,  
 I and CNCH2CO2Me or CH2(CO2Et)2 gave III (R = CN, CO2Et).  
 IT 118543-61-6P 118543-62-7P 118543-63-8P  
 118543-64-9P 118543-65-0P 118543-66-1P  
 118543-67-2P 118579-64-9P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and spectra of)  
 RN 118543-61-6 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 6-amino-1,2-dihydro-4-(4-methylphenyl)-2-oxo-1-  
 phenyl- (CA INDEX NAME)



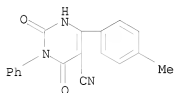
RN 118543-62-7 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 6-amino-4-(4-chlorophenyl)-1,2-dihydro-2-oxo-1-  
 phenyl- (CA INDEX NAME)



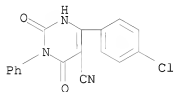
RN 118543-63-8 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,2,3,6-tetrahydro-2,6-dioxo-1,4-diphenyl- (CA  
 INDEX NAME)



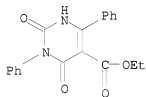
RN 118543-64-9 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,2,3,6-tetrahydro-4-(4-methylphenyl)-2,6-dioxo-1-phenyl- (CA INDEX NAME)



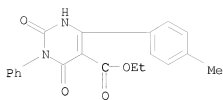
RN 118543-65-0 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 4-(4-chlorophenyl)-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl- (CA INDEX NAME)



RN 118543-66-1 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,6-tetrahydro-2,6-dioxo-1,4-diphenyl-, ethyl ester (CA INDEX NAME)

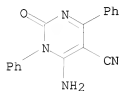


RN 118543-67-2 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,6-tetrahydro-4-(4-methylphenyl)-2,6-dioxo-1-phenyl-, ethyl ester (CA INDEX NAME)



RN 118579-64-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 6-amino-1,2-dihydro-2-oxo-1,4-diphenyl- (CA  
INDEX NAME)



L16 ANSWER 23 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1988:112373 CAPLUS

DN 108:112373

OREF 108:18405a,18408a

TI Amination of pyridinium betaines. Synthesis of substituted pyridino[5,6-c]-1-azaquinolizine and its dihydro analogs

AU Kochkanyan, R. O.; Lukanyuk, S. S.

CS Inst. Fiz.-Org. Khim. Ugolekhim., Donetsk, 340114, USSR

SO Khimiya Geterotsiklicheskih Soedinenii (1987), (5), 677-80  
CODEN: KGSSAQ; ISSN: 0453-8234

DT Journal

LA Russian

OS CASREACT 108:112373

AB Amination of betaines I (R = Ph, p-tolyl, p-MeO, R1 = H; R = Ph, R1 = D5) by aqueous NH3 or (NH4)2CO3 gave 42-52% pyrimidoquinazolines II which (R = Ph, R1 = H) was treated with chloranil in DMF to give 78% dehydrogenated III (R = Ph, R1 = H). Amination of I (R = Ph, R1 = 3-Me) by aqueous NH3 gave 40% III (R = Ph, R1 = 3-Me).

IT 69457-39-2 69457-40-5 69457-41-6

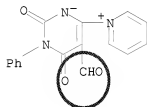
113271-94-6 113271-95-7

RL: RCT (Reactant); RACT (Reactant or reagent)

(amination of, by aqueous ammonia or ammonium carbonate)

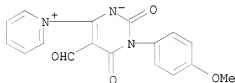
RN 69457-39-2 CAPLUS

CN Pyridinium, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, inner salt (CA INDEX NAME)



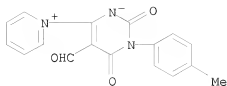
RN 69457-40-5 CAPLUS

CN Pyridinium, 1-[5-formyl-1,2,3,6-tetrahydro-1-(4-methoxyphenyl)-2,6-dioxo-4-pyrimidinyl]-, inner salt (CA INDEX NAME)



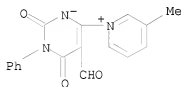
RN 69457-41-6 CAPLUS

CN Pyridinium, 1-[5-formyl-1,2,3,6-tetrahydro-1-(4-methylphenyl)-2,6-dioxo-4-pyrimidinyl]-, inner salt (CA INDEX NAME)



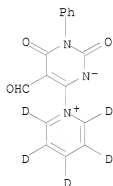
RN 113271-94-6 CAPLUS

CN Pyridinium, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-3-methyl-, inner salt (CA INDEX NAME)

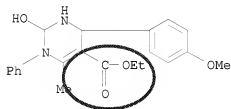


RN 113271-95-7 CAPLUS

CN Pyridinium-2,3,4,5,6-d5, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, inner salt (9CI) (CA INDEX NAME)



L16 ANSWER 24 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1987:439737 CAPLUS  
 DN 107:39737  
 OREF 107:6647a,6650a  
 TI Synthesis and properties of derivatives of 1,4-dihydro-5-pyrimidinecarboxylic acid  
 AU Khanina, E. L.; Muceniece, D.; Kadysh, V. P.; Dubur, G. Ya.  
 CS Inst. Org. Sint., Riga, USSR  
 SO Khimiya Geterotsiklicheskikh Soedinenii (1986), (9), 1223-7  
 CODEN: KGSSAQ; ISSN: 0453-8234  
 DT Journal  
 LA Russian  
 OS CASREACT 107:39737  
 AB Heating aryltetrahydropyrimidinethionecarboxylic acid derivs. I (R = Ph, 4-MeOC<sub>6</sub>H<sub>4</sub>; R<sub>1</sub> = CO<sub>2</sub>Et, CONH<sub>2</sub>, cyano; R<sub>2</sub> = Me, Ph) with Raney nickel in acetone at reflux for 2 h yielded the title compds. II.  
 IT 108958-88-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and dehydration of)  
 RN 108958-88-9 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,2,3,4-tetrahydro-2-hydroxy-4-(4-methoxyphenyl)-6-methyl-1-phenyl-, ethyl ester (CA INDEX NAME)



L16 ANSWER 25 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1985:422653 CAPLUS

DN 103:22653

OREF 103:3739a,3742a

TI Controlled orientation of substitution in betaines. Synthesis and conformational analysis of new heterocyclic compounds with phosphorus  
 AU Kochkanyan, R. O.; Lukanyuk, S. S.; Dmitruk, T. A.; Korzhenevskaya, N. G.  
 CS Inst. Fiz.-Org. Khim. Uglekhim., Donetsk, USSR  
 SO Zhurnal Obshchei Khimii (1985), 55(1), 195-200  
 CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Russian

OS CASREACT 103:22653

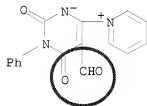
AB Heterocyclic compds. [I, (E)- and (Z)-II, III and IV, X = NPh, S] were prepared from betaines. Thus, refluxing azoles V with Ph<sub>3</sub>P in AcOH gave 56, 67% III. Treating III with HClO<sub>4</sub> in Me<sub>2</sub>CHOH gave (E)-II (X = NPh). The conformation of (E)- and (Z)-II (X = NPh) was studied by NMR.

IT 69457-39-2

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with triphenylphosphine)

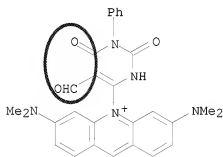
RN 69457-39-2 CAPLUS

CN Pyridinium, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, inner salt (CA INDEX NAME)





L16 ANSWER 26 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1983:539833 CAPLUS  
 DN 99:139833  
 OREF 99:21481a,21484a  
 TI Synthesis and structural features of betaine aldehydes with polynuclear heteroaromatic cations  
 AU Kochkanyan, R. O.; Spitsyn, N. V.; Baranov, S. N.  
 CS Inst. Fiz.-Org. Khim. Uglekhim., Donetsk, 340048, USSR  
 SO Khimiya Geterotsiklicheskih Soedinenii (1983), (4), 505-7  
 CODEN: KGSSAQ; ISSN: 0453-8234  
 DT Journal  
 LA Russian  
 OS CASREACT 99:139833  
 AB Heating I with pyridine, 4,4'-dipyridyl, quinoline, isoquinoline, or acridine gave 5-94% II (het = heterocyclyl) with betaine structures, e.g., III. Analogously obtained from 3,6-bis(dimethylamino)acridine were IV (Z = S, PhN, PhNCO).  
 IT 8/243-15-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 8/243-15-0 CAPLUS  
 CN Acridinium, 3,6-bis(dimethylamino)-10-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, chloride (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

L16 ANSWER 27 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1982:85503 CAPLUS

DN 96:85503

OREF 96:14039a,14042a

TI Reaction of enamines with isocyanates. A new uracil synthesis

AU Capuano, Lilly; Kussler, Manfred; Kirn, H. Reiner

CS Fachrichtung 14.1 Org. Chem., Univ. Saarlandes, Saarbruecken, D-6600, Fed. Rep. Ger.

SO Annales Universitatis Saraviensis, Reihe: Mathematisch-Naturwissenschaftliche Fakultat (1981), 16, 7-18

CODEN: AUSVAN; ISSN: 0080-5165

DT Journal

LA German

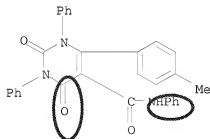
AB Uracils I (R1 = H, 4-MeOC6H4, Ph; R2 = CONHPh, CONHC6H4Cl-4, CONHC6H4Me, H, Ph, Me, CN; R1R2 = o-C6H4CH2CH2; R3, R4 = H, Me, Cl; Z = O) were prepared by base-catalyzed condensation of R1C(:CHR)NR25 [R = H, Ph, OMe; R25 = Et2, (CH2)2O(CH2)2, (CH2)5, Me2, (CH2)4] with R3C6H4NCO. Cyclic enamines II [R25 = (CH2)2O(CH2)2, (CH2)4] gave iminopyrimidones I (R1R2 = o-C6H4CH2CH2, R3 = R4 = H, Z = NPh, NC6H4Cl-4, 1-naphthyl) because of steric hindrance. I (R1 = R3 = R4 = H, R2 = CONHPh; R1 = H, R2 = CONHC6H4Cl-4, R3 = R4 = 4-Cl; R1 = Ph, R2 = CONHPh, R3 = R4 = H; Z = O) rearranged quant. into alkylidenebarbituric acids III in the presence of bases.

IT 80767-96-0P

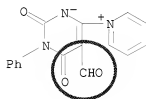
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 80767-96-0 CAPLUS

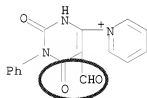
CN 5-Pyrimidinecarboxamide, 1,2,3,4-tetrahydro-6-(4-methylphenyl)-2,4-dioxo-N,1,3-triphenyl- (CA INDEX NAME)



L16 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1981:3982 CAPLUS  
 DN 94:3982  
 OREF 94:743a,746a  
 TI Reaction of heterocyclic betaines. Synthesis of a new heterocyclic system  
 AU Kochkanyan, R. O.; Lukanyuk, S. S.  
 CS Inst. Fiz.-Org. Khim. Ugilekhim., Donetsk, USSR  
 SO Khimiya Geterotsiklicheskikh Soedinenii (1980), (7), 992-5  
 CODEN: KGSSAQ; ISSN: 0453-8234  
 DT Journal  
 LA Russian  
 OS CASREACT 94:3982  
 AB The new heterocyclic compound, pyrimidopyrimidooxazine I, was obtained by  
 the cycloaddn. of III with the betaine II. III was obtained in 88% yield  
 from II by treatment with Me2NH.HCl and NaOAc in AcOH. Treatment of II  
 with Me2NH.HCl gave IV.  
 IT 69457-39-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with dimethylaminomethylene barbituric acid derivative)  
 RN 69457-39-2 CAPLUS  
 CN Pyridinium, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-  
 pyrimidinyl)-, inner salt (CA INDEX NAME)



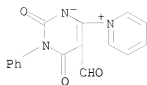
L16 ANSWER 29 OF 30 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1979:137912 CAPLUS  
 DN 90:137912  
 OREF 90:21876h,21877a  
 TI Synthesis of pyrimidine betaines with phosphonium and cycloammonium cations  
 AU Kochkanyan, R. O.; Radkova, S. S.; Klyuev, N. L.; Petrovskaya, L. Yu.; Baranov, S. N.  
 CS Inst. Fiz.-Org. Khim. Uglekhim., Donetsk, USSR  
 SO Khimiya Geterotsiklicheskikh Soedinenii (1978), (12), 1687-90  
 CODEN: KGSSAQ; ISSN: 0453-8234  
 DT Journal  
 LA Russian  
 AB Chloroformylation of I gave II which on treatment with N heterocycles or Ph3P gave III (R = Ph, p-MeC6H4, p-MeOC6H4, Me; R1 = C5H5N+, C9H7N+, Ph3P+, etc.).  
 IT 69457-38-1P 69457-39-2P 69457-40-5P  
 69457-41-6P 69457-44-9P 69457-45-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 69457-38-1 CAPLUS  
 CN Pyridinium, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, perchlorate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 69457-37-0  
 CMF C16 H12 N3 O3



CM 2  
 CRN 14797-73-0  
 CMF C1 O4

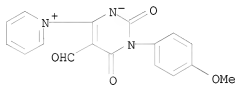


RN 69457-39-2 CAPLUS  
 CN Pyridinium, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, inner salt (CA INDEX NAME)



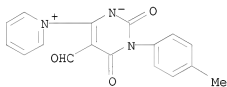
RN 69457-40-5 CAPLUS

CN Pyridinium, 1-[5-formyl-1,2,3,6-tetrahydro-1-(4-methoxyphenyl)-2,6-dioxo-4-pyrimidinyl]-, inner salt (CA INDEX NAME)



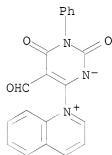
RN 69457-41-6 CAPLUS

CN Pyridinium, 1-[5-formyl-1,2,3,6-tetrahydro-1-(4-methylphenyl)-2,6-dioxo-4-pyrimidinyl]-, inner salt (CA INDEX NAME)



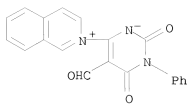
RN 69457-44-9 CAPLUS

CN Quinolinium, 1-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, inner salt (CA INDEX NAME)



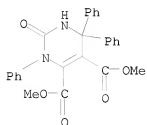
RN 69457-45-0 CAPLUS

CN Isoquinolinium, 2-(5-formyl-1,2,3,6-tetrahydro-2,6-dioxo-1-phenyl-4-pyrimidinyl)-, inner salt (CA INDEX NAME)





IT 61033-49-6P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 61033-49-6 CAPLUS  
CN 4,5-Pyrimidinedicarboxylic acid, 1,2,3,6-tetrahydro-2-oxo-3,6,6-triphenyl-  
, dimethyl ester (9CI) (CA INDEX NAME)





10/590,770

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

169.26

900.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-24.00

-24.80

STN INTERNATIONAL LOGOFF AT 15:12:21 ON 20 JUL 2008